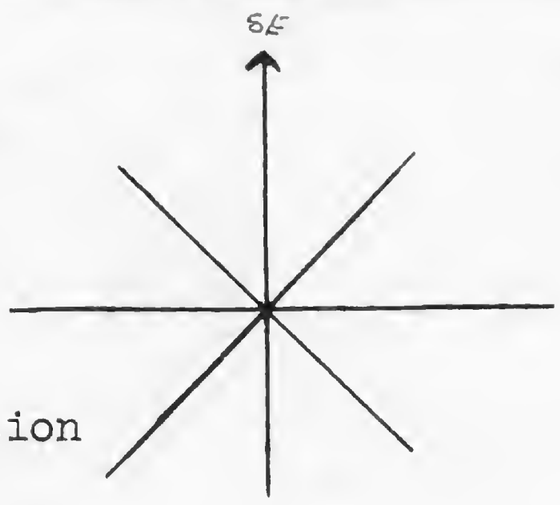
LT2087
B23

SIC 18



Ship Direction

OBSERVERS:

08-1830 CHAN

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

LT 2087.

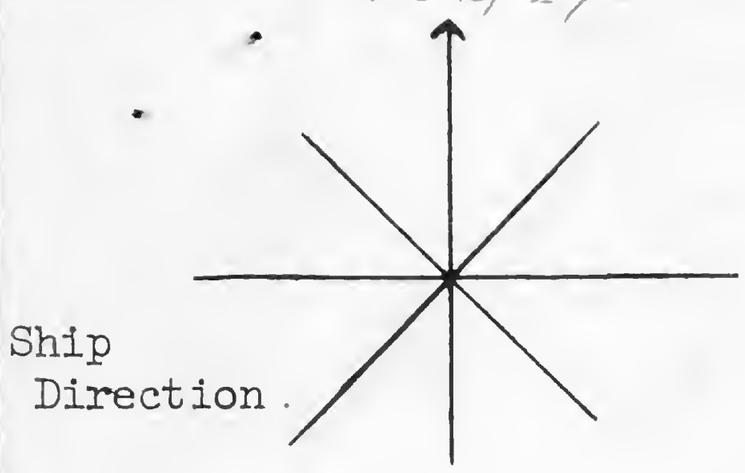
Date 29 MARCH 1967

Pg.# 1

	TIME	SPECIES	#	DIR.	SPECIMEN or BAND NO.	REMARKS
	0800					BEGIN OBS
	0850	SOOTY SH.	1	NE		
	0900	"	1	NE		
	0900	WRSP	1	ca		CHASED
	0912	S/SB	1	NE		
	0920	S/SB	1	NE		
	0935					BIGGS POWRED OIL SLICK LAYED LYING TO
	0943	S/SB	1	NE		
	1210	BFB	1	ca		SAd FOLLOWING UNDERWAY AT 1200
	1225	WRSP	2	ca		
	1240	WRSP	1	ca		
FF	1330	SOOTY TERN	20±	ca		ads
		FRIGSP	1	ca		
		BFB	(1)	ca		SAME AS 1210 BIRD
		WTS	4	ca		dk ph
SF	1335	WRSP	6	ca		ON H_2O
	1500	WTS	1	ca		dk ph
SF	1520	SOOTY TERN	75±5	ca		scattering + feeding ads
		THIRTY TERN	3	ca		
		WTS	1	ca		dk ph.
TF	1630	SOOTY TERN	5	?		ads
	1635	WTS	1	ca		dk ph
C	1700	WRSP	2	ca		1 coll leaches
SF_C	1810	SOOTY TERN	5	ca		ad, 1 ad coll.
		FT	1	ca		
		FRIGSP.	1	ca		
	1830					CLOSE OBS.

SS - 2
WRSP - 12
S/SB - 3
ST - 105
FS - 2
BM - 1
WTS - 27
FT - 9
136

356/270



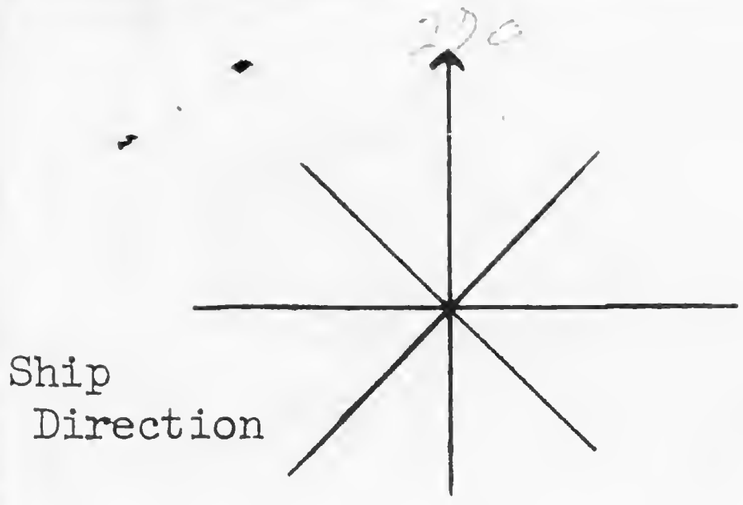
87

OBSERVERS:
M. F. Scanlon 0900-
D. Stabel

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

Date 16 April 1967
Pg.# 1

	TIME	SPECIES	#	DIR.	SPECIMEN or BAND NO.	REMARKS
	0845					Start
	0913	EFB	1	S		Imm
	1000	SOOTY/SB	1	NW		ADULT
	1045	Grey-back T	2	270		Actively feeding, chased by Tug but could not be collected
	1105	WRSP	1	N		
	1210	Sooty T	1	N		
	1220	Sooty T	4	W		Seemed to be two pairs showing courtship flight. Circling 200 yards high. All had long tail feathers
FF C	1230	"	5	W	Collected 2742	Seen feeding. All Longtailed Adults. One collected. Blood taken #1
	1305	Sooty T	2	NE		Adults
TF	1308	"	41+	E		Slow moving high flying flock. Some circling as they travelled.
FF	1326	"	25+s	295		ADULTS FEEDING, large fish breaking surface, when we were at a distance. Feeding stopped when we approached.
		WRSP	1			
	1345	Bulwers	1	NE		
FF	1405	Sooty T	23+	E		Adults. High flying. Traveling fast
FF	1430	"	31+	W		Adults Actively feeding. Large fish breaking Surface, All feeding stopped when we approached within 3/4 mile.
FF C	1500	Sooty T	28+	E	2740 2741 Collected	Same as comments above One Imm bird. After chasing slowly for 15 minutes
	1500	WRSP	1	NW		
	1530	Sooty T	2	NW		ADULT
	1550	WRSP	2	W		
	1550	Sooty T	2	NE		
	1600	Sooty T	1	NE		
FF	1610	"	40+			Same comments as above FF 1 flocks



87

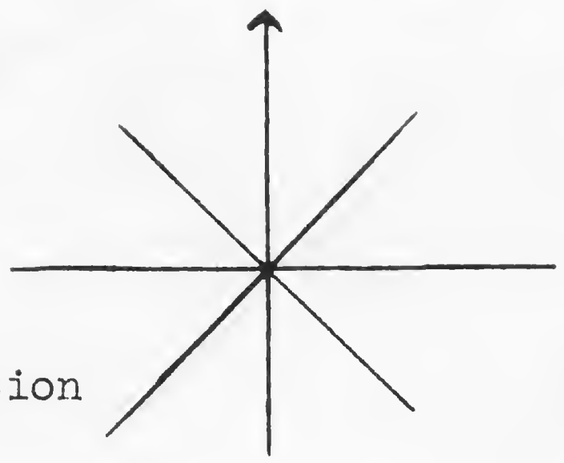
OBSERVERS:
SCANLON
STABEL

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

Date 16 April 67
Pg.# 2

	TIME	SPECIES	#	DIR.	SPECIMEN or BAND NO.	REMARKS
~~FF~~	1632	SOOTY T.	1	NE	———	ADULT
	1632	PETREL?	1	NE	———	Possible Phoenix Is. P. 1953-53 SR-1232
C	1640	WRSP	1	NW	2743	COLLECTED
	1640	SOOTY/SB	2	SW	———	ADULT
FF	1700	Sooty T	18			
C		WRSP	1		2744	Collected
		Fairy T	2			
	1715-1730	~~Q400~~			———	Chow
	1735	Sooty T	1	E		
	1735	"	3	W		
	1745	WRSP	1			
FF	1747	Sooty T	20+			
	1757	"	3			
	1757	WRSP	1			
	1800	Petrel	1		———	Setting on water, Possible Phoenix Is. P.
FF	1805	Sooty T	18			
		Fairy T	2			
FF	1810	Sooty T	125+		———	Simular flock to others seen today only observed at 1000 yds. Possibly other species
		Frigate	2			
	1900	stopped	watch			

ST-384 — BFB-1, SFB-1
WRSP-8
BUL-1 — GBT-2
PTEASP-2 — WRSP-1
S/SB-2 — ST-10
FT-4
FS-2
403 ✓
15 ✓



Ship Direction

87

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:
DL Stadel
M.J. SCANLON

Date 17 April 1967
Pg.# 1

	TIME	SPECIES	#	DIR.	SPECIMEN or BAND NO.	REMARKS
	0615					Begin
	0645	Sooty T	2	E		
	0708	Tropicbird	1			Sitting On water
	0750	Sooty T	2			
		Lge.				Large Shark
N		—				Porpoise or Large fish breaking Surface
	0730					Island Sighted
	0816	RuddyTurns	2.	♂♂		Non breeding plumage
	0840	BFB	1			Sub adult
C	0930	WRSP	1		2745	© collected
	0943	Sooty T	2	N		
	1000	WRSP	2	♂♂		
	1044	WRSP	2	♂♀		
FF	1117	SOOTY T	18 ± 2			ADULT LONG TAILED FEEDING ON SMALL TUNA. (ONE immature Seen)
	~~1117~~	BFB	2			ADULT PAIR FEEDING TOGETHER SITTING ON H_2O
	~~1117~~	BFB	1	♂		ADULT FEEDING?
	~~1117~~	BROWN BOOBY	2	♂		ADULT FEEDING?

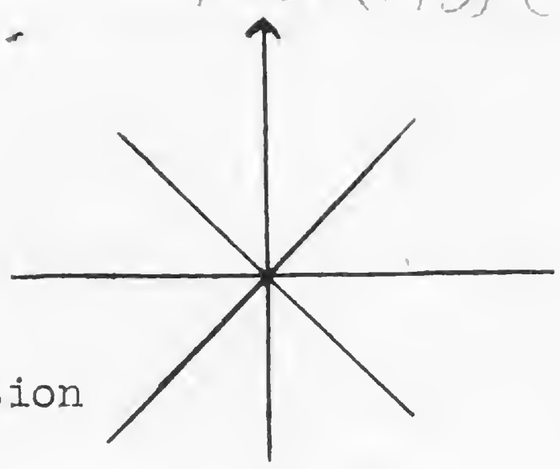
ST - 24
TROPSP - 1
ROOT - 2
BFB - 4
WRSP - 5
BB - 2
38 ✓

SI-MNH-958-e
Rev. 5-66

175 (195) (165

87

Ship Direction



SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS: DL Stegall

Date 20 April 1967
Pg.# 1

SPECIMEN or Aboard LT 2087

	TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
	0900					Begin
FF	0900	Frigate	3			Large fish breaking water. All Adults.
		Sooty T	50+			0900-1200
		Petrel	2			-FS-3
		RFB	2			-ST-61
	0910	BFB	1			-Pom sp-2
	0930	Sooty T	2			Adult -RFB-2
	0940	BFB	3			" -BFB-4
	1000	Sooty T	2			" -WTSP-1
	"	Sooty T	1			" 73V
	1005	Sooty T	1			" 1000 — Course change to 195
	1053	"	3	S		"
	1105	"	2	N		
	1105	W RSP	1			1115-1145 @ low
						1130 change course to
	1200	BFB	1	195		
	1206	W RSP	1			
FF	1225	Sooty T	50+			Large fish, breaking surface
		BFB	1			12-55
		Petrel/shear?	21			BFB-2
	1243	Wedge tail	1	165		Dark Phase WRSP-10
	1300	"	"	"		" " ST-236
	1305	"	1	"		" " S/P-2
	"	Sooty T	1			" " WTS-13
						FS-8
						1330-1500 NO Watch
	1510	WRSP	1	N		PTSP-2
	1522	"	2	N		277V
	1715	"	4	105		
	1740	"	1	105		

12-1625
BFB-2
WRSP-8
ST-51
S/P-2
WT-3
62V

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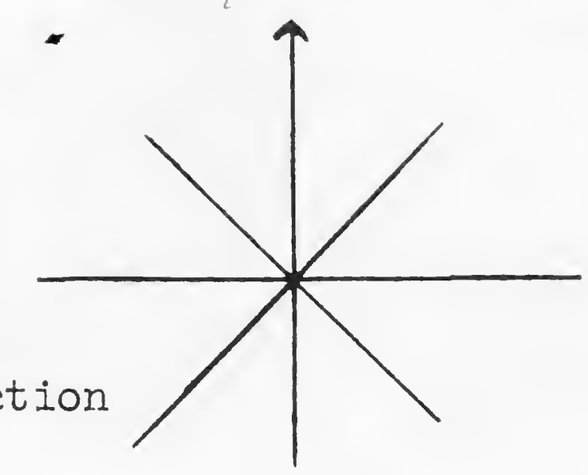
Rev. 5-66

105



Ship Direction

87

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS: PL Stadel

Date 20 April 67
Pg.# 2

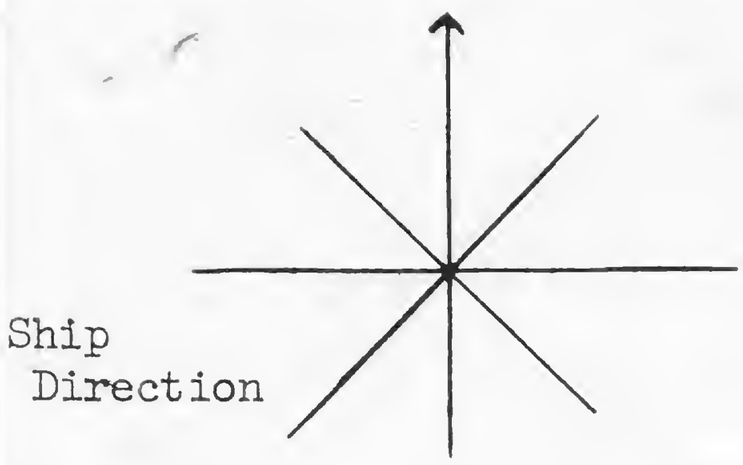
LT 2087

TIME	SPECIES	#	SPECIMEN or DIR.	BAND NO.	REMARKS
FF 1735	Frigate	8+			Actively feeding only part of flock feeding at any one time. Fish breaking surface. Flock moving to fast to catch. Wedgetails, all dark except two @1800-1815 chase
	Sooty T-	180+			
	Petrel	2+			
	Wedgetail	10+			
TF 1748	SootyT	5			
1855	WBSP	1			
1900					close Watch

WBSP-6
FS 8
ST 185
PS 2
WT 10

SI-MNH-958-e
Rev. 5-66

87



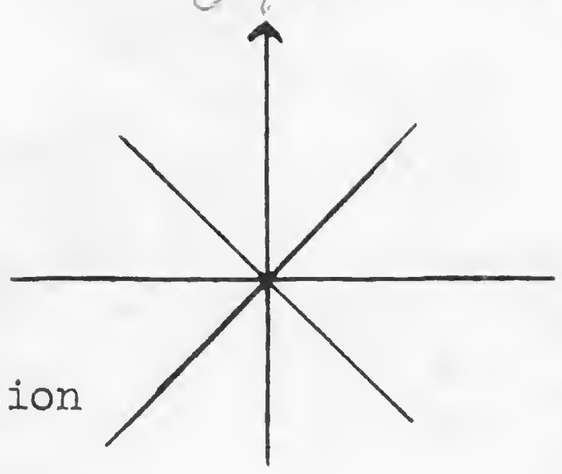
SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS: DL Stadel

Date 21 April 1967
Pg.# 1

	TIME	SPECIES	#	DIR.	SPECIMEN or BAND NO.	REMARKS
	0645					Begin
	0650	Sooty T	1	E		0700-0900 - Rough water & hard to observe. 0900-1000 No watch
TF	1000	Sooty T	60+	SW		Possibly feeding before we approached not feeding when observed
		Frigate	3			
	1012	Wedgetail	1	N		
FF C	1045	Sooty T	50+		2746 2747	active feeding even when we approached. Large fish breaking surface. of 20 birds over closely one was an immature bird Two Collected (Adults)
						1130-1150 chow
	1155	Skua	1			Sitting on Water (Dark brown
	1209	Sooty T	1	S		
	1215	"	1	S		1310 Skua; 1430 Skua died
FF	1350	Sooty T	50+	S		Simular comments as above flocks
	1505	Phoenix Tahitian	1			SR-1400 Sitting on water: ST-163 - SHOW-1 FS-3 - 168 V WTS-1
	1620	Band sp.	1	SW		Porpoise jumping clear out of water (50+)
W	1635					1400-55 -ST-53 -PT/T-1 -FS-3 Blue-1 -WRSP-3 61 V
	1842	WRSP	1			
	1738	Sooty T	3	N		
FF	1758	"	10+			
FF	1830	Sooty T	40+			Flock with simular comments as above
		Frigate	3			
C	1830	WRSP	2		2748	WRSP collected (1900 Stop watch)

042



Ship Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

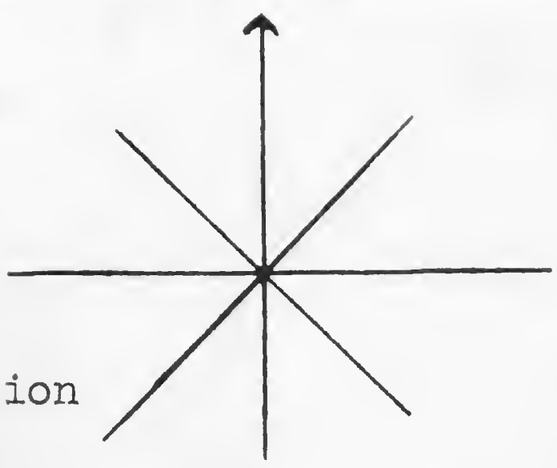
OBSERVERS: DL. Stadel
Capt Smith

Date 22 April 67
Pg.# 1

SPECIMEN or LT 2087

	TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
						1200 Begin watch
	1206	Sooty T	2	210	a ST.	
FF	1230	"	20±	050		Feeding occasionally. Two South Tern collected one Banded on Howland 953-21638 All adults
	1300	WRSP	2			
FF	1330	Sooty T	100±	E		Only occasional feeding, Moving in along line. Of birds observed (25%) all were adults
		Lesser Frigate	12±			
		Wedgetail	5±			
	1359	Sooty T	"	W		
TF	1715	Sooty T	10±	NW		
		Frigate	1			
	1900	BFB	1	042		Sabadult
	1900					Stop watch

12-1900	12-1900
-ST- 133	133
-WRSP- 2	2
-LF- 12	12
-WT- 5	5
FS- 1	
-BFB- 1	
154	



Ship Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

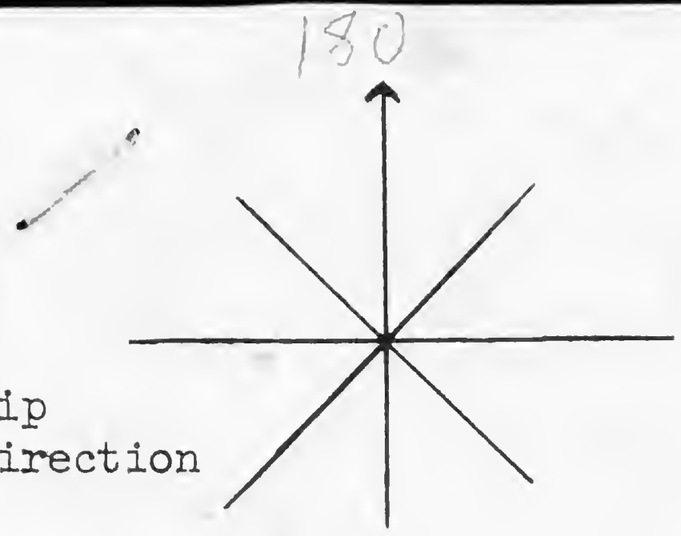
OBSERVERS: D-L. Stadel
Captain Smith

Date 23 April 1967
Pg.# 1

SPECIMEN or DIR. BAND NO. LT 2087

TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
	0700				start watch
	0755	WRSP	1		
	0810	Wedgetail	1		
	1030	wedgetail	1	SW	
	1055	Wedgetail	1		
	1110	TF	6	NE	——— Sooty Tern
	1110	FRIGATE	1		
	1120	WRSP	3	NE	
	1130	~~Frigate~~ Wedgetail	4		
	1225	WRSP	1		
	1315	Wedgetail	2		
	1540	wedgetail	1		
	1550	wedgetail	1		
	1635	TF	9	NE	——— Sooty Terns
TF	1635	FRIGATE	1	NE	——— all in same flock apparently just
	1635	WHITETERN	1		——— completed feeding — still in small area
	1652	Sooty TERN	1	SW	——— but moving
	1658	Petrel	1	NS	Bonin / White-winged
TF	1758	SootyT	13	S	
	1803	Petrel	1	S	Bonin / white winged
	1900				Stop

WRSP - 5
WTS - 11
FS - 2
ST - 27
FT - 1
SmPT. - 2
50 V



Ship Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

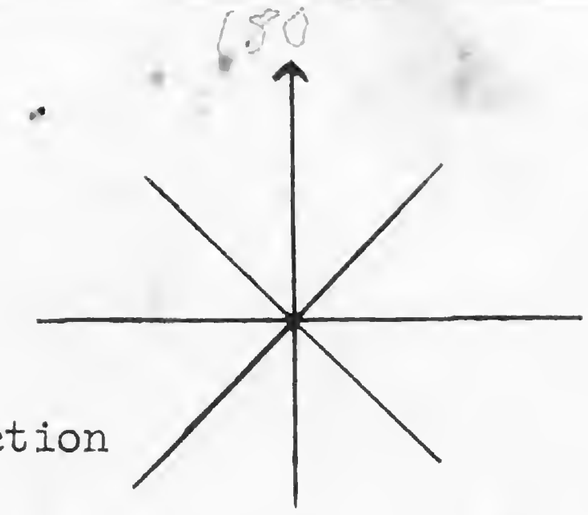
OBSERVERS:
DL Stadel
Captain Smith

Date 24 April 67
Pg.# 1

LT 2087

	TIME	SPECIES	#	SPECIMEN or DIR.	BAND NO.	REMARKS
	0630					Start
	0635	Newell's	1			Sat on water behind ship
	0635	Wedgetail	1			collected D.P.
	0645	BFB	1	S		Sub adult
	0840	Wedgetail	1			Dark Phase
	0852	"	2	S		" "
	0855	"	1	IV		" "
	0856	Petrel	2	IV		
FF	0720	Sooty T	60±			All Wedgetails Dark phase. At least 50% of Sooty Terns were immatur birds Actively moving back & forth while feeding. Immature ST flew low to water like they did not know how to feed.
		Wedgetail	40±			
	0800	JFP	1	NW		
	0815	Sooty T	2	E		
	0820	Wedgetail	1	NW		D.P.
	0838	Sooty / Sterna B	2	N		
	0842	Wedgetail	1	N		D.P.
	0855	Bulwers P.	1	S		
	0910	Sooty T	2	N		
	0935	Phoenix / Tahitian	1	SW		Flying at edge of rain Squall, 75% sure it was Tahitian
	0946	Sooty/S.I.B.	2	W		
	1007	Wedgetail	1	N		
		JFP	1	NE		
		Petrel	2	W		small?

NEW - 1 +
WT - 48 +
BFB - 1 +
PTSP - 4 +
ST - 64 +
JFP - 2 +
SISB - 3 +
BOL - 1 +
PIT - 1 -
125



Ship Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:
D.L. Stadel
Captain Smith

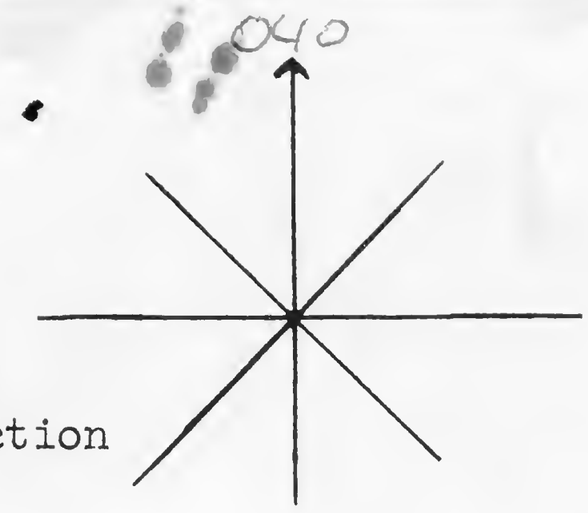
LT 2087

Date 24 April 1967
Pg.# 2

	TIME	SPECIES	#	SPECIMEN or DIR.	BAND NO.	REMARKS
FF	1020	Sooty T	75±	∞		Sooty T (50% immature). Actively feeding
		Wedgetail	40±			W.T. All DP.
		J.F.P	5±			
		Nowell's S.	3±			
	1042	Seagull	1	E		
	1100	Bulwers P	1	N		
	1110	JFP	1			Sitting on water
	1158	Sooty/Slender B	1	N		Dark underwing
FF	1215	Sooty T	75±	SE		Tuna jumping, Actively feeding
		Wedgetail	40±			25-50% of Sooty Terns were immatures.
		JFP	5±			Two WT collected
		Fairy T	2±			
		Sooty S/Slender B	5±			
	1345					close watch
	1420					start watch
	1510	Sooty/Slender B	1	N		
	1510	JFP	1	S		
	1535	Wedgetail	2	S		
	1537	Sooty/Slender B	1	N		
	1543	WEDGE TAIL	1	N		
	1615	Booby	1	S		IMMATURE BFB?
	1625	WEDGetail	1			
	1635	Wedgetail	1			
	1635	Petrel	1			gray w/ white underbelly
	1655	Wedgetail	2			
	1700	Sooty TERN	2	SW		light phase
	1715	Petrel	1			

WBSP - 2
PIP - 2 matures.
BFB - 1+1=2

ST - 152 = 216
WT - 87+4=91=139
JFP - 12+2=14
NEW - 3+1=4
JSP - 1
Boc - 1+1=2
SISB - 8+1=9=12
FT - 2
BoosP - 1
RTSP - 2+4=6
260 J



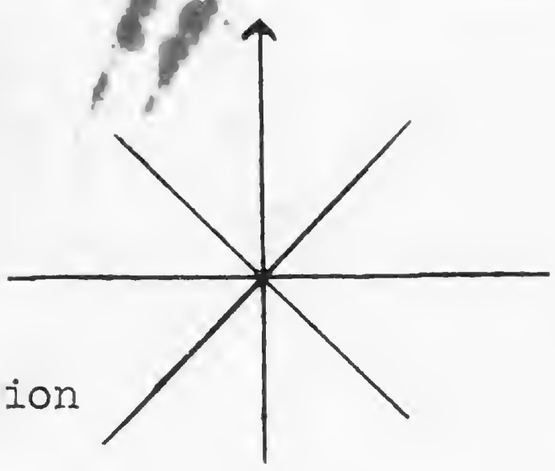
SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:
DL Stadel
Captain Smith

Date 24 Apr 67
Pg.# 2

TIME	SPECIES	#	SPECIMEN or DIR.	BAND NO.	REMARKS
1755	BFB	1			568-70066 Sub-adult collected Banded & streamered off Howland
1805	Wedgetail	2	S		D.P.
1812	"	1	S		"
1830	"	1	S		"
1830	Sooty/SB	1	RW		
1840	Du LRSP	1			
1845	"	1			
1845					Stop

BFB - 1 -
WT - 4 -
S/Sb - 1 -
LRSP - 2
8 V



87

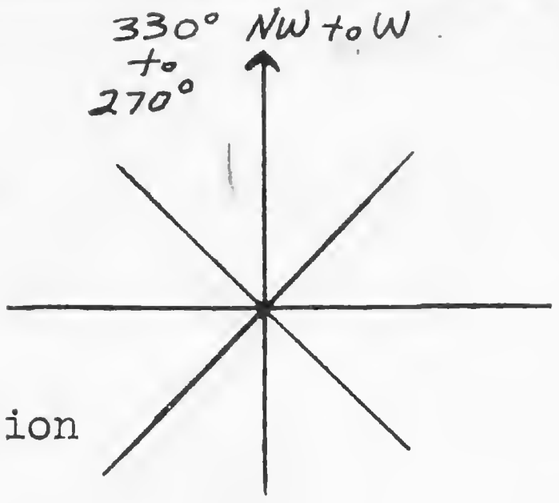
SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:
D.C. Stadel
ht Smith

Date 25 April 1967
Pg.#

	TIME	SPECIES	#	DIR.	SPECIMEN or BAND NO.	REMARKS
	0700	B ~~F~~ B	~~2 3 F B~~			Both collected Subadults.
	0710	Petrel	~~P~~ 1			
	0725	Wedgetail	1			Dark Phase
	0735	Sooty Tern	1	N		
	0743	Bulwers P.	1	N		
FF	0745	Sooty T	40±			Actively feeding in rain squall.
		Wedgetail	60±			Half of S.T. were immatures.
		Petrel	5±			BFB collected
		BFB	5±			
		Bulwers	5±			
	0835	Bulwers	1			
	0950	Wedgetail	1			
	1010	"	1			
	1020	Fairy Tern	1			
	1410	Wedgetail	1			
	1425	"	1			
	1505	"	1			
	1505	Bulwers	2			
	1511	"	1			
	1600	BFB	1			Imm. collected
	1605	Petrel	1			
	1650	Sooty T	30±			
		Wedgetail	30±			
		Petrel	5±			

BFB - 8
PTSP - 12
WTS - 96
ST - 71
BUL - 10
FT - 1
198



OBSERVATIONS FROM L.T. 2086

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

DIURNAL GRID

OBSERVERS: TUXSON R.W.
0900-1130
1130-1200 CHOW
1200-1715
1715-1730 CHOW
1730-1849

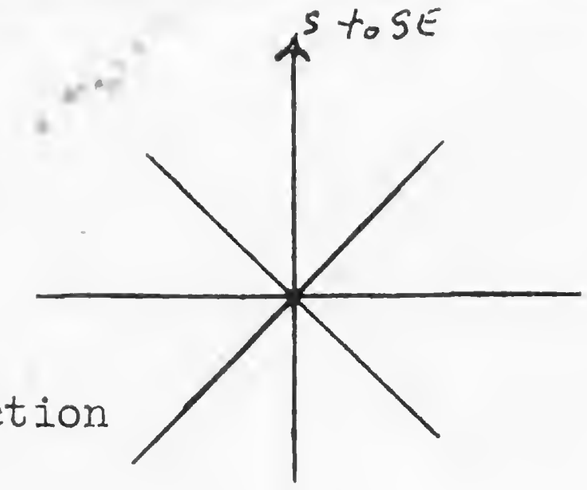
Date 16 APRIL '67
Pg.# 1

	TIME	SPECIES	#	DIR.	SPECIMEN or BAND NO.	REMARKS
	0900					OPEN OBSERVATIONS - COURSE 330° NW
	0919	W.T.S.	2	NW		LIGHT PHASE
	0936	W.R.S.P.	2	@		PROBABLY LEACH'S
	0942					ALTER COURSE TO 270° - WEST
	1015	B.F.B.	1	@		ADULT SITTING ON WATER
	1019	W.R.S.P.	2	@		LEACH'S?
F.F.	1022	SOOTY TERN	30±5	@		ADULTS - SEPARATED AS TUG APPROACHED - ONE TUNA CAUGHT.
	1036	SOOTY TERN	1	N		ADULT TRAVELING
	1101	BIRD SP.	1	S		SEEN AT A DISTANCE - A SHEAR./PET.? - LIGHT BELOW.
	1122	SOOTY TERN	1	NE		ADULT TRAVELING.
	1130					CLOSE OBS. FOR CHOW
	1200					OPEN OBS.
	1215	W.R.S.P.	3	@		PROBABLY LEACH'S.
	1300					Porpoise - Tursiops sp.? 75 ±10 approx 6' long of a uniform color - (Brownish-gray) above. Calves & ADULTS seen.
F.F.	1313	SOOTY TERN	23	@		ADULTS FEEDING loosely.
	1314	B.F.B.	1	NE		ADULT.
	1316	SOOTY TERN	2	E		ADULTS HEADED TOWARD ABOVE FLOCK.
	1350	R.F.B.	1	N		immature. - Foraging.]
F.F.	1357	SOOTY TERN	10	@		ADULTS FEEDING loosely.
	1440	SOOTY TERN	1	E		ADULT TRAVELING.
	1505	B.F.B.	1	W		ADULT FOLLOWING SHIP.
	1601	SOOTY TERN	3	NW		ADULTS TRAVELING.
	1625	SOOTY TERN	1	NW		ADULT TRAVELING.
	1630					Whale sp. moving West. 8. very DARK Brown, Almost Black above. 10-15' long. Very small Dorsal Fin
	1715	W.R.S.P.	1	@		
F.F.	1730	SOOTY TERN	12	@		11 ADULTS + 1 immature - ONE TUNA CAUGHT.
	1743	P.I./T. PET.	1	N		
FF	1745	SOOTY TERN	35±5	@		ADULTS FEEDING VIGOROUSLY.
	1752	LEACH'S	1	@		FEEDING - IT ALMOST SAT IN THE WATER TO FEED.
	1819					LT. ALTERS COURSE
	1849					SUNSET END GRID DIURNAL.

1355-35		9:00-2:55	
ST - 87		WTS - 2	
BFB - 2		WRSP - 7	
RFB - 1		BFB - 1	
WRSP - 2		ST - 33	
P/T - 1		BND - 1	
93		43	

*- The wind was minimal today. The sea was extremely calm making for excellent visibility.

"NO BIRDS COLLECTED"



Ship Direction

OBSERVATIONS From L.T. 2086

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

DIURNAL

OBSERVERS:
0830-1000 - TUXSON
1000-1100 - SCANLON
1100 - 1500
1730 - 1847

Date 20 APRIL '67
Pg.# 1

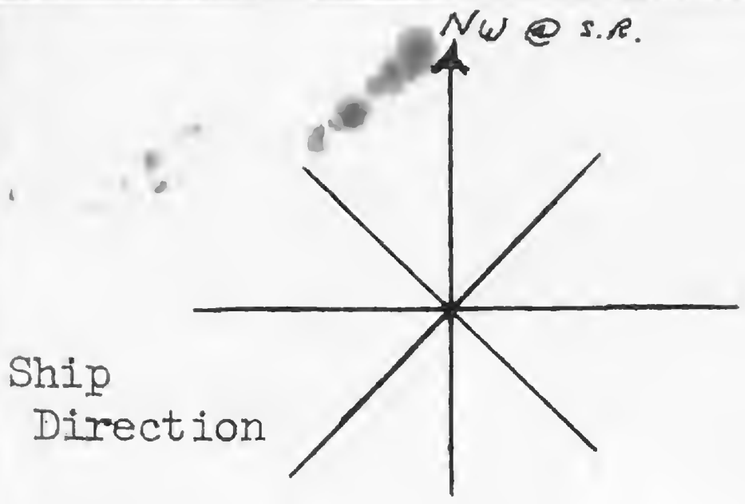
	TIME	SPECIES	#	SPECIMEN or DIR.	BAND NO.	REMARKS
	0830	BFB	3	@		ADULTS Foraging
	0839	Sooty T.	1	E		ADULT.
	0840	Sooty T.	1	N		ADULT.
	0850	BFB	1	@		ADULT.
	0857	WRSP	1	S		
	0900	Sooty T.	1			
FF	0905	Sooty T.	13	N		ADULT.
		Frigate SP.	1	@		ADULTS
		Lesser Frig.	1	♀		ADULT ♀
	0925	Sooty T.	3	♂		ADULT ♂
	0927	Brown Booby	1	@		ADULTS
W	0943			O		IMMATURE
	1000	Brown Booby	1			WHALE SPECIES NOTICED THRU SPOUT. - SPRAY
	1005	MOTTLED PET.	1	@		ADULT ♀
	1008	BFB	1	W		CHACTERISTIC SCALED GRAY BACK.
	1052	Sooty T.	1	S		ADULT TRAVELING
FF	1124	Sooty T.	1	@		ADULT.
		BFB	65±10	@		ADULTS
		Frig. sp.	4	@		ADULTS
	1139	WRSP.	1	@		ADULT ♀ } FEEDING
FF	1220	Sooty T.	2	S		
		Fairy T.	140+	@		ADULTS } Feeding
	1242	Sooty T.	4	O		
FF	1255	Sooty T.	1	NW		ADULT Flying high.
	1317	Sooty T.	15	@		ADULTS Feeding
	1355	Sooty T.	4	NW		ADULTS
	1416	SHeaw/Pet.	1	@		ADULT.
FF	1425	Sooty T.	1	W		SEEN AT A DISTANCE; MOST LIKELY A W.T.S.
	1428	Sooty T.	45±5	@		ADULTS Feeding.
	1500		1	E		ADULT.
	1730					CLOSE OBS.
						OPEN OBS.
FF	1800	Sooty T.	30+	@		ADULT.
		W.T.S	1	O		DARK PHASE
	1847					SUNSET END OBS.

0830-12
-BFB-9
-ST-85
-WRSP-3
-FS-2
-LF-1
-BB-2
-MOT-1/103V

10 3
24 3
21 2
556

12-55 12-1625

ST-237 207
-FT-4 4
SIP-1 1
-WTS-1
243V 212V



OBServaTions

LT 2086

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:
SR - TUYSON — 0900
0900 — 0930 - SCANLON
1130 - ~~60~~ TUX.
1530 - 55 SCANLON

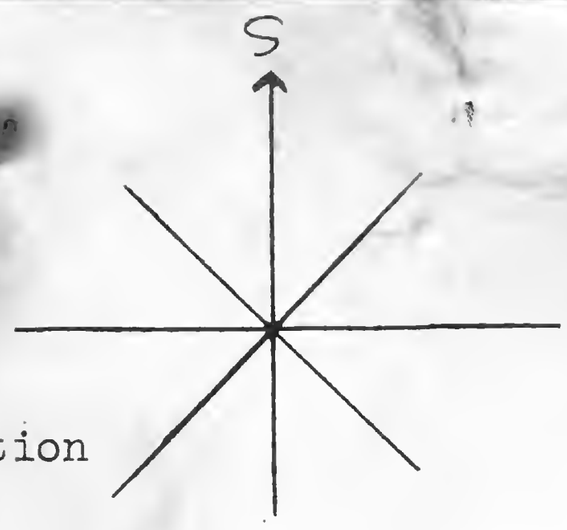
Date 21 April
Pg.# 1

SPECIMEN or DIURNAL GRID.

	TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
	0636					COMMENCE OBSERVATIONS - SUNRISE
FF	0655	SOOTY T.	21			ADULTS } FEEDING.
		W.T.S.	2			DARK PHASE }
	0800					alter course to 060°
	0900	SOOTY T.	3			ADULTS
	0930					CLOSE OBS. } SCANLON BECOMES SEA SICK
	1130					OPEN OBS } TUX WAS OFF WATCH CHOW TIME
	1220	SOOTY T.	3			ADULTS
	1300	SOOTY T.				
FF	1345	SOOTY T.	1			ADULT.
FF	1355	SOOTY T.	80+			ADULTS + IMMATURES)
			150+			flying high } between ship and LT 86
	1400					CLOSE OBS UNKNOWN CONTACT VISUAL SIGHTED
	1530					OPEN OBS.
	1602	WRSP	1	SE		
	1615	WRSP	3			
	1629	OWRSP	1	SE		STORM PET. species
	1634	WRSP	1	SW		
	1824	WRSP	1	NW		
	1843	WRSP	1	NW		
	1844					CLOSE OBSERVATIONS SUNSET

1406 - SS
WRSP - 8
8 v

SR 1400
ST - 258
WTS - 2
260 v



Ship Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS: LT&6 Smith

Date 24 April, 1967
Pg.# 1

Diurnal
Non Grid
LT&6

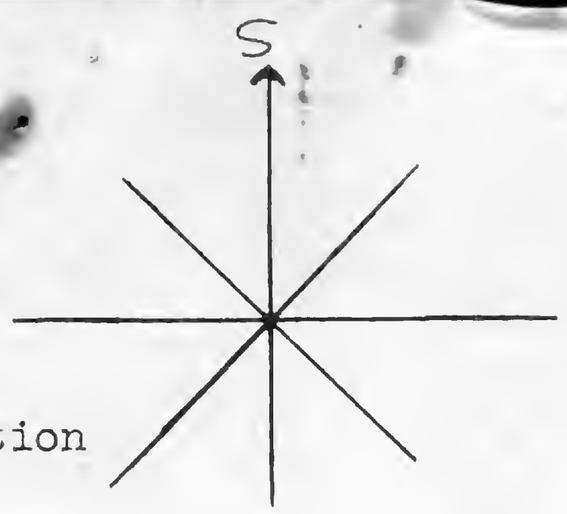
	TIME	SPECIES	#	DIR.	BAND NO.	REMARKS
	0710					Begin Obs. Using 7X50 binocs
	0717	BFB	1	S		Imm
	0720	Wedgetail	1	N		dk.
	0722	" "	1	∞		dk
	0723	Aud. Shear.	4	∞		
	0730					close Obs.
	0810					Open Obs. on station
FE	0855	Sooty Tern	150±20	∞		AO only seen
		Wedgetail	43	∞		all dk
		Sm. Pterodroma	2	AO		
	0904	S/Sb	1	NW		
	0913	Sooty Tern	2	∞		AO
	0915	wedgetail	1	∞		dk
	0920	Pt. externa	1	∞		
	0929	S/Sb	1	NW		
	0938	"	1	NW		
FE	0945	Sooty Tern	51	∞		All AOs
		Wedgetail	12	∞		dk phase
	0947	Wedgetail	2	∞		dk phase
	1007	BWP	1	NW		
	1015	S/Sb	1	NW		
	1017	Shear/Pet	1	∞		
	1048	S/Sb	1	NW		dark underwings
	1020	BWP	1	N		
	1045	Slenderbill	1	NW		dark underwings
	1055	WRSP	1	∞		
	1100	Wedgetail	1			dk phase sitting on water
	1103	S/Sb	1	NW		
	1107	WRSP	1	∞		leach's type
	1120	S/Sb	2	NW		
	1129	Wedgetail	2	S		dk ph.
	1130	" "	2	∞		1 light, 1 dk
	1130					close Obs for lunch
	1200					Begin Obs
	1210	WRSP	2	∞		
	1215	S/Sb	1	NW		
	1230	Wedgetail	1	W		dk
	1235	S/Sb	2	NW		
C	1300	RTTB	1	∞		feeding; Imm-sub. AO. collected
	1305	S/Sb	1	NW		

one ST shot - could not find very rough conditions for shooting & collecting specimens.

SE - 3
BOO - 8
BFB - 1
WTS - 66+4=70
AOO - 1
ST - 203+5=208
SMP. - 2
SISB - 12+4=16
PEY - 1
BWP - 1
S/P - 1+1=2
SB - 1
WRSP - 4+3=7
RTTB - 1
295

1 of 2

65



Ship Direction

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG - E

OBSERVERS:
Smith - LT 86

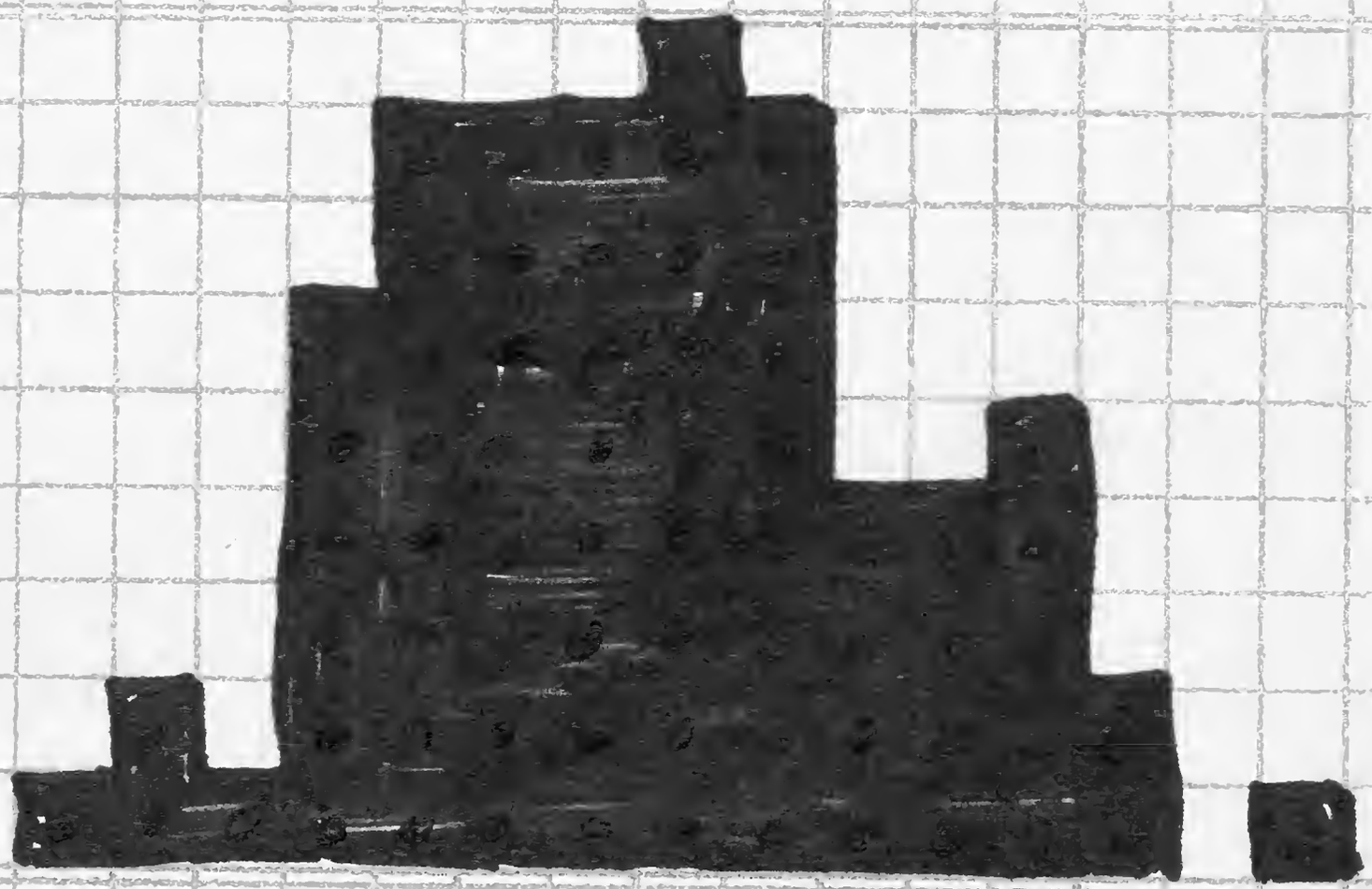
Date 24 April 1960
Pg.# 2

Journal.
Non grid

	TIME	SPECIES	#	SPECIMEN or DIR.	BAND NO.	REMARKS
	1320	Wedgetail	2	∞		dk
	1321	WRSP	1	∞		leach's type
	1331	Bulwers Pet	1	∞		
	1349	" "	2	∞		
	1400					change course to 039° - dead in water
	1403	Slenderbill	1	NW		dark underwings
	1420	S/Sb	1	NW		dark-underwings
	1424	S/Sb	1	NW		
	1455	S/Sb	1	NW		
	1500	Sooty Tern	1	NW		light underwings
	1507	Wedgetail	1	∞		dark underwings
JF	1530	Sooty Tern	5	E		dk
	1534	Sooty Shear.	1	NW		AQs
	1545	WRSP	1	∞		light underwings
	1550					underway - course 039°
	1553	Bulwers Pet	1	∞		
	1605	S/Sb	1	NW		
	1630	Bulwers Pet	3	∞		
	1655	Sooty Shear	1	NW		light underwings
	1700					Supper Break
	1720					Resume Obs.
	1730	WRSP	1	∞		
	1735	Wedgetail	1	∞		dk
	1745	Bulwers Pt.	1	∞		
	1752	Shear/Pet	1	∞		
	1800					Sunset ??? I've had it.

WTS - 4 -
WRSP - 3 -
Bul - 8 -
Pf - 1 -
S/Sb - 4 -
SS - 3 -
ST - 5 -
S/P - 1 -
29 ✓

SI-MNH-958-e
Rev. 5-66



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

MEAN = 8.5

MEDIAN = 8

SAMPLE SIZE = 67

	9 JAN	10 JAN	11 JAN	12 JAN	13 JAN	14 JAN	15 JAN	A	12 FEB	13 FEB	14 FEB	15 FEB	15 FEB	23 FEB	24 FEB	25 FEB	26 FEB	27 FEB	28 FEB	1 MARCH
	LEAVE PEARL HARB				1ST DAY W/ SHIFT	50	LAST DAY BEFORE GRID	ODAHU TO GI	LEAVE SUVA		REEF		M Y							
BLACK-FOOTED ALBATROSS																				
LA				4		1	2							3					1	1 1
WEDGE-TAILED SHEARWATER								12&3 NEWD	ALLOK 3	ALLOK 156	ALLOK. 82	114PH 47	DM 2	10			3	4	3	
SLENDER-BILL SOOTY PRIEFOOT?																				
NZ NEWELLS SHEARWATER														1			1			
CHRISTMAS ISLAND SHRWTR								COL												
AUDUBON'S SHEARWATER											2			1			1			
SHEARWATER SP.																				
TOT SH																				
JUAN FERNANDEZ PETREL								3 COL						4				4	4	
WHITE-NECKED PETREL														16			10	8	6	
PTERODROMA EXTERNA SSP?														2		2				
PHOENIX I. OR TAHITI PETREL																				
TAHITI PETREL																				
MOTTLED PET.																				
DRP																				
LARGE PTERODROMA SP?				1		2	5	DRP? 1												
BLACK-WINGED PETREL						1		2 1						1				1		
COOKS																				
WHITE-WINGED PETREL								COL 1												
								1 COL												
SMALL PTERODROMA SP?				1		2	11					1		3			3			
PTERODROMA SP.														6			4	2		
TOT PT																				
BULWER'S PETREL							1				4	3		4		1	1	2		
SHEARWATER/PETREL	1	3		3	1	3	21			NOT WT SMALL 1				9			5	3	1	
TOT																				
LEACH'S STORM PETREL					COL 1			COL												
WHITE-RUMPED STORM PETREL		1		1		2	1			1	2	3	5	3		1	2			
WHITE-THROATED STORM PETREL																				
WILSON'S STORM PETREL													1							
STORM PETREL SP?							NOT WR 2	NOT WR												
TOT S/P																				
RDC. 4																				
RED-TAILED TROPICBIRD			C	1	3	1	4			1		1	1	7			2	3	2	
WHITE-TAILED TROPICBIRD			9	2	4	1	1		2	3	1	1		1					1	
TROPICBIRD SP?																				
TOT																				
BLUE-FACED BOOBY														7	1	2	2			2
BROWN BOOBY										1				3			1	1	1	
RED-FOOTED BOOBY									2GIT. 51 2 DR.	FIT 3 BR. 11		1		7		1	1	2		3
BOOBY SP?																				
TOT																				
GREAT FRIGATE BIRD												1		1		1				
LESSER FRIGATE BIRD									4	1		1		2						
FRIGATE BIRD SP?									13	1		1								
TOT																				
GP																				
PA.																				
SKUA																				
POMARINE JAEGER																				
LTJ																				
NODDY SP									17	20										
SOOTY TERN									1	2	4	129	173	132	47	78	6	1		
GRAY BACKED TERN																				
COMMON NODDY TERN									9	12										
HAWAIIAN NODDY									259	27										
BLUE-GRAY NODDY													32							
FAIRY TERN									7	37		2	9							
CRESTED TERN									3											
BROWN-WINGED TERN																				
TERN SP.									1				1							
TOT																				
BIRD SP.																				
TOTAL									370	276	89	188	251	(223)	48	96	39	19	18	7 6
SR POS.																				
SS POS.																				
BEGIN OBS—END OBS.	OAHU, PH.	18°53'N, 160°51'W	16°08'N, 163°00'W	13°30'N, 165°31'W	10°11'N, 166°16'W	7°10'N, 170°48'W	4°23'N, 173°21'W													
	20°30'N, 158°42'W	17°46'N, 161°28'W	14°55'N, 164°41'W	11°42'N, 166°47'W	8°43'N, 169°33'W	5°48'N, 173°03'W	0°54'N, 174°43'W													
	1200 - 511	SR SS 0616 - 1728	SR SS 0637 - 1743	SR SS 0625 - 1759	SR SS 0630 - 1817	(GR) SS 0695 - 1817	(GR) SS 0695 - 1759													
	6.18 (371)	11.20 (672)	11.10 (666)	11.51 (691)	11.71 (703)	11.31 (692)	12.15 (729)													
HOURS OBS. (MIN)	7	7	11	8	10	12	10	75.16 (4524												
NO. SPECIES	2 (36)	3 (79)	1 (25)	1 (25)	0	2 (195)	2 (48)		9	12	4	x	10		2	7	9	7	5 5	3
	0	1 (11)	1 (14)	0	0	6 (107)	1 (85)													
	0	2 (96)	0	2 (99)	0	6 (105)	2 (59)													
	2 (36)	6 (121)	2 (42)	3 (169)	0	14 (907)	5 (172)													
	PARTLY CLDY MOD-HI SEAS WINDS MOD.	SCT-CLDS SEAS 5-6' MOD 1 KNTS	SCT 6-6' 20 KTS.	SCT 5-6' 20 KTS	SCT 10-12 KTS MOD SEA	SCT 15 KTS 3-5'	SCT 15 KTS 4-5'													
	1.0	1.8	2	1.3	—	1.8	2.8													
	68	107	102	109	115	114	115													
	0	0	0	0	6	0	3													
FEEDING FLOCKS (#BIRDS)								11 (406)												
SEARCHING FLOCKS (#BIRDS)								9 (217)												
TRAVELING FLOCKS (#BIRDS)								12 (354)												
TOTAL FLOCKS (#BIRDS)								32 (977)												
WX																				
WX																				
AVG # SP IN FLOCK								1.9												
MILES OF OBS								735												
#BIRDS COL.								9												

| | 9 JAN | 10 JAN | 11 JAN | 12 JAN | 13 JAN | 14 JAN | 15 JAN | A | | |

% TOTAL	LIN. DENS. OVERALL
0.1	.002
1.8	.040
19.7	.447
0.1	.001
0.1	.002
0.1	.002
0.1	.002
0.2	.006
0.1	.001
*	~~.001~~ .0003
1.0	.023
0.4	.009
0.4	.010
0.9	.019
1.1	.025
1.1	.024
0.7	.016
0.2	.005
*	.001
2.1	.046
0.1	.003
5.8	.131
0.1	.003
0.9	.020
*	.001
*	~~.001~~ .00016
0.3	.007
0.1	.002
0.1	.003
45.1	1.013
0.1	.001
0.4	.008
3.2	.072
6.8	.153
0.5	.012
5.3	.118
0.9	.020
	2.252

542

~~5419~~

~~763~~

	KINGMAN – PALMYRA	WASHINGTON – FANNING	FANNING – CHRISTMAS	CHRISTMAS – JARVIS	GRID – PHOENIX IS.	FIJI ISLANDS	TOT	BETWEEN JARVIS & MALDEN	STARBUCK – SAMOA	SAMOA – GRID	HULL to FIJI + GRID	N OF 12° AREA	"12° AREA	BETWEEN "12°" & "5°"	"5° AREA	"5° – GRID
BLACK-FOOTED ALBATROSS							10					10 1.7				
SOOTY/SLENDER B. SHEAR				33 .532			244	38 .184	109 .091			7 1.2		94 .022	48 .056	
WEDGETAILED SHEAR.	8 0.7 .154 0.3	1 0.1 .022 0.0	4 0.7 .114 0.3	25 .403	30 3.1 .123	164 .503	2766	122 .057	102 .918	33 .113	357	107	9 0.7 .079	37 .032	987 .943	19 3.4 .062
CHRISTMAS SHEAR.				2 1.2 .032			8		5 0.2 .004							1 0.4 .007
NEWELLS SHEAR.							13					1 0.2 .001	5 0.9 .012	1 0.5 .003	6 0.3 .006	
AUDUBON S HEAR					2 0.2 .008	1 .003	15		3 0.1 .003					1 0.5 .003	7 0.3 .007	1 0.4 .007
OTHER SHEARWATERS						2 .006	12		4 0.1 .004			3 0.5 .003	1 0.2 .002	1 0.5 .003	1 0.1 .001	
PHOENIX/TAHITI PET.	1 0.1 .019 3.2		2 2.9 .057	5 2.9 .081	1 0.1 .004		34	1 0.2 .005	8 0.2 .007	2 0.7 .007				2 1.1 .005	12 0.6 .012	
MOTTLED PET							7	1 0.2 .005	2 0.1 .002			1 0.2 .001			3 0.1 .003	
DARK-RUMPED PET.							2					2 0.3 .002				
PTERODROMA EXTERNA				1 0.6 .016			145	1 0.2 .005				13 2.9 .013	0.6	56 2.6	13 2.5	7 1.9 .035
SMALL PTERODROMA				1 0.6 .016		1 .003	54	1 0.2 .005	15 0.5 .013	1 0.4 .003	4 0.2 .005	2 0.3 .002	0.2	4 0.7 .009	1 0.2 .010	2 1.0 .021
PTERODROMA SP.				1 0.6 .016			62	2 0.4 .010	1 0.2 .005			2 0.3 .002	.2	1 0.2 .004	5 1.1 .024	1 0.4 .007
BULWERS PET.	2 0.2 .038 2.0		9 2.9 .257				118		2 0.9 .023		1 0.7 .018	2 0.5 .015	0.8	1 0.7 .024	3 1.9 .022	3 1.5 .032
STORM PET.	1 0.1 .019 0.8	1 0.1 .022 0.8	1 1.4 .028 1.1	3 1.8 .048	1 9.2 .049	2 0.1 .003	155	3 0.5 .014	4 1.3 .034	4 0.2 .021	1 0.6 .019	0.7	0.2	0.7 .009	0.4	6 3.3 .015
MISC. SHEAR/PET	2 0.2 .038 1.6			3 1.8 .048	2.0 1 0.1 .004	0.6	150	1 1.2 .053	2 2.0 .032	1.3 1 0.4 .003	0.1	1 0.1 .001	0.4	3 0.7 .009	2 3.5 .023	1 0.5 .010
WHITE TAILED T'BIRD		1 0.1 .022 1.4	1 1.4 .028 1.6			7 0.7	96		2 1 0.6 .018	1.1 5 1.6 .017	1.1	1 0.8 .023	1.4	3 2.5 .032	2.0 8 1.4 .019	1.2 1 0.5 .003
RED-THILED T'BIRD				2 1.1 .032	6.4 2 0.2 .008	1.6 1 0.1 .003	0.6 36		3 0.1 .003	0.6		4 0.2 .005	1.0	3 0.5 .003	0.6 6 1.0 .014	2.8 3 1.6 .008
TROPIC BIRD SP.							3					2 0.1 .003	3.0	1 0.2 .001	1.0	6 0.3 .006
BLUE-FACED BOOBY	6 0.6 .115 2.5			3 1.8 .048	1.0 10 9.1 .449	98	288	14 2.4 .055	1 0.2 .001	0.2		2 0.3 .004	0.4	16 1.7 .024	0.5 6 3.3 .015	0.3 17 0.8 .018
BROWN BOOBY	5 0.5 .096	3.2.0			10.1 .004	1.3 2 0.2 .006	2.0 17	4 0.4 .007	4 0.1 .004	1.3				4 0.7 .009	1.3 1 0.5 .003	1.0
RED-FOOTED BOOBY	23 2.0 .384	9.4 21 5 4.7	7.7 36 5.4	1.0 29 7.9 33 19 2.5	3.2.4.1 25 2.6 .103	0.5 15 1.5 .481	3.7 811	10 1.8 .048	04 4 1.4 .037	0.3 1 0.4 .003	0.2	2 0.1 .003	0.2	22 3.7 .022	0.2 20 3.4 .047	0.4 2 1.0 .005
BOOBY SP.				1 0.6 .016	5.3 5 0.5 .020	0.7	19	3 0.5 .014	4.7			1 0.1 .001	0.3	4 0.7 .009	1.3 4 0.7 .009	3.0
FRIGATEBIRD SP.	1 0.1 .019 1.0		1 1.4 .028	1.4 2 1.1 .032	1.6 3 1.3 2.1	28 6.4 36 3.5 .110	55 122	7 1.3 .034	1.7 17 9.5 .014	0.7 2 0.1 .007	0.4	13 0.7 .016	0.9	9 1.5 .009	0.5	
SHOREBIRDS				1 0.6 .016	1.0		6	1 0.2 .005	5.0 2 0.1 .002	2.0 1 0.4 .003	3.0			1 0.2 .001	1.0	
SKUA							1									
JAEGERS							42							1 0.5 .003	1.8	
GRAY BACKED TERN					10 1.0 .042	1.0	10					3 6.1 .036	5.1	42 2.2 .010	1.4 2 0.1 .002	0.3
BROWN-WINGED TERN						16 1.5 .049	1.6.3 16									
SOOTY TERN	857 76.3	16.4 50 16.3	10.1 .022	0.0 21 1.4 .028	1.0 53 3.1 .855	0.5 620 63.3 2.5	51 6264	304 31.5 1.469	1.5 106 83.0 .887	0.9 18 2.7 .623	0.6	143 7.8 1.794	1.6	24 6.3 .291	0.3 32 5.1 .777	0.5 6 0.3 .166
CRESTED TERN						90 9.1 .028	280 9									0.2
BLUE GRAY NODDY		20 2.0 .044	0.5		2 1.1 .032	4.0 14 1.4 .058	7.3 52					34 1.7 .043	5.4			
COMMON NODDY		68 8.4 1.611	2.0			47 4.6 .193	2.7 323 1.1 .098	13	27 6 .230	3.2 10 3.7 .034	0.5	20 1.0 .003	0.4	13 2.1 .013	0.2	
WHITE-CAPPED NODDY	4 0.4 .077	0.5 27 3.3 .600	3.9 4 5.7 .114	0.7		65 6.6 .267	51 3.1 .573	10.3 943	32 8 .273	1.8		20 1.0 .003	0.4			
NODDY SP.		34 4.2 .755	2.9				37 3.6 .113	1.4 74	3 0.1 .003	0.3						
WHITE TERN	19 1.7 .365	4.6 4.5 10 3.1 .674	11 1.5.7 .314	2.7	30 3 .012	0.1 52 5.0 .160	1.4 736	50 9 .024	0.2 8 2.5 .067	0.6 2 4.8 .082	0.7	8 5.4 3. 107	0.9	4 0.7 .004	0.3	50 2.2 .005
MISC. BIRDS	1 1.7 .365	6.3 8 14			10 6 .016	0.8 10 1 .004	0.5 20 2 .006	0.3 126	17 3.0 .082	4 1 9 0.6 .016	0.8	8 0.4 .011	0.6	4 0.7 .009	0.2 5 0.5 .012	0.6 2 .005
TOT	113 71 00.0 21.8	65 9.7 18.0 88	80 70 2.0	0.9 171 2.7	1.2 979 4.0	2.5 1041 3.1	9.4 13909	558 2.6	96.2 3223 2.6	86.2 269 .92	9.4	1992 2.4	99.1	693	59.4	0.3 586 1.3
# MILES	52	45	35	62	243	326	6182	207	1200	292		797		998		423
AUGLIN. DENS.																
DATES	15 MARCH	19 MARCH	21 MARCH	25 MARCH	23,24,26 JAN	7,8,12,13 FEB		28,29 MAR.	4–8 APRIL	12–15 APRIL	2–6, 14, 15 FEB	9,10,11 JAN 27,28 F 1,11,12 MAR 28 MAR	12 JAN, 26 FEB, 13 MAR, 27 APR.	13 JAN 25 FEB 26 APR. 14 MAR	14 JAN 24 FEB 23-25 APRIL	15 JAN 23 FEB
# SPECIES	10	9	10	14	17	15	43	14	23	11	15	21	11	17	21	10

COUNT

	TOTAL	INTRA ISLAND	PELAGIC	N PELAGIC	S PELAGIC
ALBATROSS	10	0	10	10	0
SHEARWATER	3057 ~~3608~~	272	2785	1122	1663 ~~1807~~
PTERODROMA	305 ~~354~~	11	294	249	45
BULWER PET	118	11	107	65	42
TOTAL SHEAR/PET	3631	304	3327	1525	1802
STORM PET	155	19	136	44	92
TROPICBIRDS	129	14	115	62	53
BOOBY	1135	829	306	126	180
FRIGATE	122	71	51	12~~7~~	39
SOOTY TERN	6264	1536	4728	1748	2980
ALL NODDY	1517	849	668	13	655
WHITE TERN	736	530	206	12	194
MISC.	~~210~~	58 ~~60~~	151 ~~150~~	102 ~~105~~	49 ~~45~~
TOTAL	13909	4211	9698	3654	6044
MILES	6152	763	5419	2923	2496

%

	INTRA ISLAND GRP %	INTRA ISLAND % TOT BIRDS	PELAGIC GRP %	PELAGIC % TOT BIRDS	N PELAGIC GRP %	N PELAGIC % TOT	N PELAGIC % TOT BIRDS	S PELAGIC GRP %	S PELAGIC % TOT	S PELAGIC % TOT BIRDS	N PELAGIC GRP %	N PELAGIC % PELAGIC TOT	S PELAGIC GRP %	S PELAGIC % PELAGIC TOT
ALBATROSS	0	0	100.0	~~0~~ .1	100	.1					100	.1	0	0
SHEARWATER	8.9	2.0	91.1	20.0	36.7	8.1		54.4	12.0		~~40.2~~ 33.7	11.6	59.8	17.1
PTERODROMA	3.6	.1	96.4	2.1	81.6	1.8		14.8	.3		84.7	2.6	15.3	.5
BULWER PET	9.3	.1	90.7	.8	55.1	.5		35.6	.3		60.7	.7	39.3	.4
TOTAL SHEAR/PET	8.4	2.2	91.6	23.9	42.0	11.0		49.6	13.0		45.8	15.7	54.2	18.6
STORM PET	12.2	.1	87.8	1.0	28.4	.3		59.4	.7		32.4	.5	67.6	.9
TROPICBIRDS	10.9	.1	89.1	.8	48.1	.4		41.1	.4		53.9	.6	46.1	.5
BOOBY	73.0	6.0	27.0	2.2	11.1	.9		15.9	1.2		41.1	1.3	58.9	1.9
FRIGATE	58.2	.5	41.8	.4	9.8	.1		32.0	.3		23.5	.1	76.5	.4
SOOTY TERN	24.5	11.0	75.5	34.0	27.9	12.6		47.6	21.4		37.0	18.0	63.0	30.7
ALL NODDY	56.0	6.1	44.0	4.8	.9	.1		43.2	6.9		1.9	.1	98.1	6.8
WHITE TERN	72.0	3.8	28.0	1.5	1.6	.1		26.4	1.4		6.8	.1	94.2	2.0
MISC.	28.1	.4	71.9	1.1	48.6	.7		23.3	.4		67.5	1.1	32.5	.5
TOTAL	~~30.3~~	30.3		69.7		26.3			43.5			37.7		62.3
MILES														

DENSITY

	LIN DENS INTRAISL	% TOT.	LIN DENS PEL.	% TOT	LIN DENS S.PEL.	% TOT.	% PEL	LIN DENS N.PEL	% TOT	% PEL.	LIN DENS. TOT
ALBATROSS			.002	2.0				.003	3.0	1.5	.001
SHEARWATER	.356	0.7	.514	1.0	.666	1.3	1.3	.384	0.8	0.7	.495
PTERODROMA	.014	0.3	.054	1.1	.018	0.4	0.3	.065	1.7	1.6	.049
BULWER PET	.014	0.7	.020	1.1	.017	0.9	0.9	.022	1.2	1.1	.019
TOT SHEAR PET	.398	0.7	.614	1.0	.722	1.2	1.2	.522	0.9	0.9	.587
STORM PET	.025	1.0	.025	1.0	.036	1.4	1.4	.015	0.6	0.6	.025
TROPIC BIRD	.018	0.9	.021	1.0	.021	1.0	1.0	.021	1.0	1.0	.021
BOOBY	1.087	5.9	.056	0.3	.072	0.4	1.3	.043	0.2	0.8	.184
FRIGATE	.093	4.7	.009	0.6	.015	0.8	1.7	.004	0.2	0.4	.020
SOOTY TERN	2.013	2.0	.872	0.9	1.194	1.2	1.4	.598	0.6	0.7	1.013
ALL NODDY	1.113	4.5	.123	0.5	.262	1.1	2.1	.004	.02	.03	.245
WHITE TERN	.695	5.8	.038	0.3	.078	0.7	2.1	.004	.03	0.1	.119
MISC.	.077	2.3	.027	0.8	.020	0.6	0.7	.035	1.0	1.3	.034
TOT	5.519	2.5	1.789	0.8	2.421	1.1	1.4	1.250	0.6	0.7	2.252
MILES											

.01
700/11.00

~~[illegible]~~ SUMMARY

AT SEA - NON GRID - SIC 17

9 JANUARY - 3 MARCH 1967

RICHARD CHANDLER

REPORTS: ~~THE NON-GRID SECTIONS OF THE SOUTHERN ISLAND CRUISES ARE EXTENSIVE~~

IN PREFACE TO THIS SUMMARY OF OBSERVATIONS A FEW COMMENTS ABOUT REPORTS IN GENERAL SEEMS FITTING. THE CHIEF AIM OF THE PRELIMINARY REPORT IS TO PRESENT A SUMMARY OF RAW DATA IN A FORM WHICH MAKES PAST AND CURRENT DATA COMPARABLE. THE NUMBER OF SMITHSONIAN PERSONNEL SUBMITTING REPORTS IS FAIRLY LARGE AND UNLESS CARE IS TAKEN IN STANDARDIZING A RAW-DATA FORMAT I FORSEE A PROBLEM IN FUTURE ANALYSIS. ~~S~~ More strict ADHERENCE TO STANDARD CHARTS AND TABLES SHOULD BE ~~USED~~ OBSERVED. IN MANY, IF NOT MOST OF ALL PRELIMINARY REPORTS AN UNNECESSARY AMOUNT OF REPITITION AND WORDINESS IS RAPIDLY ~~BECOMING UNMANAGEABLE~~ CLOUDING THE ~~IM~~ VALUE OF THE DATA. ~~MANY~~ PRELIMINARY REPORTS ~~ARE~~ OFTEN COVER A LARGE AREA OF INVESTIGATION ~~AN AMOUNT OF~~ AND ATTEMPTS TO ~~GENERALIZE~~ COVER THE ENTIRETY OF THE DATA RESOLTS IN OVERAL POOR COVERAGE. I SUGGEST A THOROUGH ANALYSIS OF THE PRELIMINARY DATA BREAKDOWNS. I.E. REPORTS, BE MADE.

ONE WAY OL ALLEVIATING THE INCREASING ~~REPORT~~ WRITING LOAD IS TO 1) PREPARE A STANDARD FORM FOR EACH ~~ARL~~ DIFFERENT PHASE OF WORK, AND 2) CONFINE THE PROSE

COMMENTS TO A SPECIFIC TOPIC THAT CAN BE
DEALT WITH IN THE LIMITED FIELD TIME AVAILABLE.

DISTRIBUTION OF BIRDS BETWEEN OAHO AND
HOWLAND ISLAND JANUARY 9-15 1967.

(YELLOW SHEETS)

Section A. OAHU TO SOUTHERN GRID

THIS, THE BEGINNING LEG OF MOST SOUTHERN ISLAND CRUISES, IS ONE OF THE MOST UNIFORMLY [redacted] PELAGIC REGIONS REGULARLY TRAVERSED BY SURVEY [redacted] CRUISES. THROUGHOUTHE LENGTH OF THE TRACK THE CLOSEST LAND-FALLS ARE LOCATIONS WHERE PORSP [redacted] SURVEYS HAVE BEEN MADE. PELAGIC BIRD DISTRIBUTIONS ALONG THIS ROUTE SHOULD, BEEXPECTED TO REFLECT 1) RADIAL DISTRIBUTIONS FROM KNOWN ISLAND DEPENDANT POPULATIONS [redacted] ~~RANDOM, ESSENTIALLY PELAGIC, DISTRIBUTIONS OF BIRDS NOT INVOLVED IN A LAND DEPENDANT PHASE OF THEIR PHENOLOGY AND~~ 2) NON RANDOM PELAGIC DISTRIBUTION OF BIRDS DEPENDANT ON OCEANOGRAPHIC OR DIRECTIONAL FEATURES RATHER THAN LAND FEATURES. ~~THESE~~ THIS ~~WERE~~ SOMEWHAT ARTIFICIAL DIVISION ~~GROUPINGS~~ GROSSLY SERVES TO COVER THE DISTRIBUTION PATTERNS OF SEA BIRDS [redacted] IN RELATION TO THE VARIABLES OF LAND AND WATER. THE LAND-WATER INTERACTIONS IN ~~OF~~ SEABIRD ~~BIOLOGY~~ DISTRIBUTION IS FAR FROM THIS SIMPLE, BOT AS A GENERAL CASE THE DIVISION ~~IS~~ IS APPLICABLE. (NOTE THAT ~~IT~~ THE TWO MINIMAL REQUIREMENTS FOR A BIRD SPECIES, AN ENERGY SOURCE, AND A PLACE TO LAY AN EGG ARE NECCESSARY DIVIDED BETWEEN LAND & SEA IN MOST OF THE BIRDS IN QUESTION)

WITH RESPECT TO THE FOREGOING PARAGRAPH ~~I FEEL~~ THE DATA ACCRUED FROM OBSERVATIONS ON ~~ALONG~~ THIS LEG ARE SUITABLE FOR FURTHER ANALYSIS. DISTRIBUTIONS ENCOUNTERED ~~DURING~~ FROM ~~9-16 JAN~~ 9—16 JANUARY ARE FAIRLY TYPICAL OF

PAST CRUISES AND AN ANALYSIS OF SOME OF THE ~~FACTORS~~ DATA AND PARAMETERS AT HAND SHOULD ILLUSTRATE SOME POTENTIAL POINTS FOR FURTHER STUDY.

RADIAL DISPERSION ~~FROM~~ OF LAND DEPENDANT FORMS EVIDENCED ITSELF WHEN THE CLOSEST POINT TO THE ~~ISLAND~~ OUTLYING ISLANDS (JOHNSTON & PEARL - LINE ISLANDS) WAS PASSED. ON 12 JANUARY, HALFWAY FROM HAWAII TO HOWLAND, ca. 300 MILES FROM JOHNSTON, ca 400 FROM THE LINES, PEAK NUMBERS OF THE FOLLOWING SPECIES WERE NOTED: BLUE-FACED BOOBY RED-FOOTED BOOBY, FRIGATE BIRDS, SOOTY TERN, RED-TAILED TROPIC BIRD. THE TOTAL NUMBER OF SPECIES ~~OF~~ OBSERVED ON THIS DAY WAS 11, COMPARED TO 7 ON JAN 9 & 10 AND ~~10~~ 8 ON JAN 13. THE 2-11 BIRDS SEEN ON THE 12TH IS MORE THAN 15% GREATER THAN THE OVERALL AVERAGE FOR THIS LEG BLACK-FOOTED ALBATROSSES, CURRENTLY ~~BREEDING~~ NESTING IN THE HAWAIIAN LEEWARDS WERE ONLY OBSERVED ON THE FIRST 3 DAYS OF THE 8 DAY ~~RUN~~ SAIL TO HOWLAND; AND MOST OF THESE WERE SEEN THE FIRST DAY, THIRTY-SIX OF THE 37 POMARINE JAEGERS WERE SEEN WITHIN SIGHT OF OAHU. THE INCREASE OF HOWLAND-BASED BIRDS (MOSTLY Sooty Terns) ON 16 JAN IS DOCUMENTED IN THE JAN. 1 GRID REPORT.

THE ORIGIN OF THE POPULATION CONCENTRATION ~~NEAR~~ AROUND 12° N 165° W IS PROBABLY BOTH JOHNSTON-SAND AND ANY OF THE NORTHERN LINE ISLANDS. WHILE THIS POSITION IS CLOSER TO JOHNSTON I RATHER THINK THAT THE

GREATLY
LINES CONTRIBUTE ^MORE EVEN AT THE
GREATER DISTANCE. IN SUPPORT OF THIS
CONJECTURE I OFFER THE LARGE NUMBER
OF IMMATURE RED-FOOTED BOOBIES ~~BF BF~~
~~BLUE-FACED BOOBIES~~ AND THE NUMBER OF
BLUE-FACED BOOBIES. WHILE JOHNSTON HAS
ONLY A FEW BREEDING RED FOOTED BOOBIES
IT HAS ESSENTIALLY NO BLUE FACES. IN LIGHT
OF THE LARGE POPULATION OF REDFOOTS ON
PALMYRA + BLUE FACES ON OTHER LINES (JARVIS)
CONCENTRATION
IT SEEMS MORE PROBABLE THAT THE ~~BIRDS~~ ENCOUNTERED
ON
~~ON~~ THIS CRUISE ARE WESTWARD RADIATING BIRDS FROM
THE LINES.

MONTHLY COMPARISONS OF SIMILAR DATA MAY
BREEDING
CORRELATE WITH CYCLICAL CHANGES ON THE LINES
AND SAND-JOHNSTON

1111

TABLE #1. SUMMARY OF NON-GRID PELAGIC OBSERVATIONS, SIC 17, 9 JAN – 3 MARCH 1967.

DIURNAL

DATE	MILES	HOURS	NO. BIRDS	NO SPECIES.
9 JAN	68	6.2	81	7
10 JAN	107	11.2	158	7
11 JAN.	102	11.1	67	11
12 JAN	109	11.5	211	8
13 JAN	115	11.7	93	10
14 JAN	114	11.3	503	12
15 JAN	115	12.2	215	10
23 JAN	80	10.9	✓124	5
24 JAN	104	10.4	✓320	12
26 JAN	59	5.9	✓535	14
2 FEB	104	8.9	856	7
3 FEB	150	12.4	128	8
5 FEB	115	12.6	303	9
6 FEB	86	12.7	177	6
7 FEB	94	12.5	262	13
8 FEB	34	5.1	133	7
12 FEB	78	6.6	370	9
13 FEB	120	12.4	276	12
14 FEB	112	12.5	89	4
15(M) FEB	112	12.3	188	8
15(T) FEB	118	12.3	251	10

CONT

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7 \\
28\overline{)227} \\
196 \\
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31
\end{array}
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\begin{array}{r}
8.1 \\
28\overline{)227} \\
224 \\
\hline
30
\end{array}
$$

$$
\begin{array}{r}
10.8 \\
28\overline{)303.3} \\
28 \\
\hline
213 \\
224
\end{array}
$$

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\begin{array}{r}
196. \\
28\overline{)5504} \\
28 \\
\hline
270 \\
252 \\
\hline
180 \\
168 \\
\hline
120
\end{array}
$$

	M	H	No B.	No Sp
23 FEB	29	7.6	48	2
24 FEB	92	12.0	86	7
25 FEB	54	11.9	39	9
26 FEB	110	11.9	19	7
27 FEB	96	11.8	18	5
28 FEB	85	11.7	7	5
1 MARCH	98	11.7	6	3
28 DAYS	2690	301.3	5504	31
		10.8/DAY	196/DAY	5.1/DAY

NOCTURNAL

14-15 JAN	113	12.5	78	5
24-25 FEB	102	12.9	3	1
	215	25.4	81	5
TOTAL DIURNAL + NOCT	2905	326.7	5585	

TABLE #2 NOCTURNAL ABUNDANCE OF BIRDS IN THE "5° AREA"
14-15 JAN, 1967

SPECIES	No. SRS	LIN DENS.
WEDGETAILED SHEARWATER	10	.088
AUDUBON'S SHEARWATER	1	.009
WHITE-WINGED PETREL	1	.009
PTERODROMA SP?	5	.044
SHEAR/PET	4	.035
WHITERUMPED STORM PETREL	7	.062
SOOTY TERN	40	.352
BIRD SP?	10	.088
TOTAL	78	.69

2090 (7.30 M) (2.30)

TABLE #3 DIURNAL ABUNDANCE OF SPECIES, S1Q17, NON GRID AREAS 9 JAN — 3 MARCH 1967

SPECIES	TOTAL OBS.	TOT LIN DEN	LIN DENS AREA "A" TOTOBS		LIN DENS AREA "B" #OBS	
BLACK FOOTED ALBATROSS	10	.004	7	.004	3	.002
WEDGE-TAILED SHEARWATER	913	.337	351	.461	10	.016
NEWELL'S SHEARWATER	1	+			1	.002
CHRISTMAS ISLAND SOOTY TERN	1	+	1	.001		
AUDUBONS SHEARWATER	16	.004	7	.011		
SHEARWATER SPECIES?	3	.001			1	.002
JUAN FERNANDEZ PETREL	29	.010	25	.034	4	.006
WHITE NECKED PETREL	1	+	1	.001		
PTERODROMA EXTERNA SP?	18	.007	2	.003	16	.026
PHOENIX ISLAND/TAHITI PETREL	7	.003	4		2	.003
TAHITI PETREL	1	+	1	.001		
LARGE PTERODROMA SP?	9	.004	7	.012		
BLACK-WINGED PETREL	6	.003	4	.005	1	.002
WHITE-WINGED PETREL	3	.001	2	.003		
SMALL PTERODROMA SP?	20	.007	14	.017	3	.005
PTERODROMA SP?	8	.003	2	.003	6	.010
BONINS PETREL	19	.007	1	.001	4	.006
SHEAR/PET	47	.017	32	.043	9	.015
LEACH'S STORM PETREL	1	+	1	.001		
WHITE-RUMPED STORM PETREL	27	.010	6	.008	3	.005
WHITE-THROATED STORM PETREL	9	.004				
WILSON'S STORM PETREL	1	+				

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.001 \\
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\begin{array}{r}
.005 \\
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.001\sqrt{.060} \\
\end{array}
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\begin{array}{r}
.003 \\
\hline
.0090\sqrt{.0000} \\
\end{array}
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(269)

STORM PETREL SP?	2	+			
REDTAILED TROPICBIRD	23	.008	9	.012	7 .011
WHITE-TAILED TROPICBIRD	43	.016	17	.023	1 .002
TROPIC BIRD SP?	2	+			
BLUE-FACED BOOBY	127	.047	11	.015	7 .011
BROWN BOOBY	8	.003	2	.003	3 .005
RED-FOOTED BOOBY	236	.088	45	.061	7 .011
BOOBY SP?	14	.005	8		
GREAT FRIGATEBIRD	12	.004	1	.001	1 .002
LESSER FRIGATEBIRD	27	.010			2 .003
FRIGATE SP.	48	.018	3	.004	
SKUA	1	+	1	.001	
POMARINE JAEGER	37	.014	37	.051	
NODDY SP?	37	.014			
SOOTY TERN	1530	1.052	699	.952	132 .224
GRAY-BACKED TERN	10	.004			
COMMON NODDY TERN	87	.032	6	.008	
HAWAIIAN NODDY TERN	580	.216			
BLUE-GRAY NODDY TERN	48	.018			
FAIRY TERN	147	.054	7	.009	
CRESTED TERN	9	.003			
BROWN-WINGED TERN	16	.006			
TERN SP?	8	.003			
BIRD SP	8	.003	5	.007	
TOTAL	5509	2.09	1208	1.74	223 .378

0000/50

TABLE II A DIURNAL ABUNDANCE BY SPECIES GROUPS-
NON-GROUNDNETS SIC 17 9 0 4 N - 3 MARCH 1967.

GROUP	TOT NO OBS.	% OF ALL BIRDS	LINDSEYS AREA "A"	LINDSEYS AREA "D"
ALBATROSS	10	0.2		
SHEARWATER	928	16.9		
PTERODROMA	102	1.9		
SHEAR/PET	1096	19.9		
STORM PETREL	40	0.7		
PROCELLARIIFORME	1146	20.8		
TROPICBIRD	68	1.2		
BOOBY	385	6.9		
FRIGATE	87	1.6		
TERN	3772	68.5		
JAEGER (INCSKUA)	38	0.7		
BIRDSP.?	8	0.1		
	5504	100.0		

TABLE # 6 COMPOSITION OF FLOCKS ~~SPECIES~~

DIURNAL, NON-GRID, 9 JAN, 3 MARCH 1967

SPECIES	NO BIRDS IN FLOCK	% OF TOTAL FLOCK BIRDS	% TOTAL SPECIES
WEDGE-TAILED SHEARWATER	663	14.5	
AUDUBON'S SHEARWATER	1	+	10.0
PTERODROMA EXTENNA	15	0.3	31.3
SMALL PTERODROMA	7	0.2	21.1
~~TOTAL~~ PTERODROMA	29	0.6	25.4
BULWER'S PETREL	1	+	3
TOTAL SHEAR/PET	693	15.1	63.2
RTTB	1	+	4.3
WTTA	1	+	3
BFB	47	1.0	5.5
RFB	78	1.7	7.1
TOTAL Booby	134	2.7	24.5
FRIGATEBIRD	46	1.0	5.7
SOOTY TERN	2871	62.7	60.0
COMMON NODDY	66	1.4	26.6
HAWAIIAN NODDY	538	11.8	93.7
BLUE-GRAY NODDY	40	0.9	9.1
FAIRY ~~TOTAL~~ TERN	123	2.6	9.1
TOTAL TERN	3077	66.3	69.9
TOTAL	4578	100.0	

SIC 18 NON GRID
AM. SAMOA TO GRID 12-15 APRIL 1967
(ALL FROM YAG 39 OBS)

	12	13	14	15	TOTALS
WEDGETAILED SRWTR	23	2	5	3	33
PHOENIX/TAHITI PET.			1	1	2
SMALL. PTERO SP			1		1
UNIDENT. SHEAR/PET	1				1
WRSP			3	3	6
WTTB	2	1	2		5
RFB	1				1
FRIGATEBIRD SP				2	2
GOLDEN PLOVER	1				1
SOOTY TERN				182	182
COMMON NODDY	5	5			10
~~FAIRY~~ WHITE TERN	12		3	9	24
BIRD	1				1
TOTALS	46	8	15	200	269
MILES	39	25	117	111	292

SIC 18 NON GRID
ISLAND OFFSHORE SUPPLEMENTARY OBS.

	10 MAR OAHU	18 MAR PALMYRA	19 MAR WASHINGTON	8 APR. TUTUILA
BLACKFOOTED ALB	11			
LAYSAN ALB	1			
WEDGETAIL SHEAR				5
RED FOOTED BOOBY	5	131	26	11
FRIGATE SP			6	
POMARINE JAEG.	9			
SOOTY TERN	17	802		
WHITECAPPED NODDY		50	215	
COMMON NODDY	1	10	61	147
NODDY SP.			200	
FAIRY (WHITE) TERN		5	99	89
TOT	44	998	607	252

S.I.C. 18 NON GRID
OAHU TO KINGMAN REEF 11–14 MARCH 1967

	11		12	13	14	TOT
WEDGE-TAILED SHEAR	15	2	13	15	5	35
SLENDER BILL SHEAR					2	2
SOOTY/SLENDERBILL SH.	1		1		2	3
NEWELL'S SHEAR				5		5
SHEAR SP	2		2	1		3
TOT SHEAR.						48
PHOENIX/TAHITI PET					2	2
DARK-RUMPED PET	2	1	1			2
P. EXTERNA	1		1	51	10	62
LARGE PTERODROMA				16		16
TOT PTERO						82
BULWERS PET				1	1	2
SHEAR/PET	6	1	5	33	2	41
WHITERUMPED STORM P.	2	1	1	1	2	5
TOT PROCELLARIIS						178
WHITE-TAILED T'BIRD	11		11	4		15
TROPIC BIRD SP.	1		1			1
TOT T'BIRD						16
BLUE-FACED BOOBY	12	1	11	2	3	17
~~BROWN BOOBY~~						
RED-FOOTED BOOBY	1		1			1
TOT. BOOBY						18
GREAT FRIGATEBIRD	1		1			1
FRIGATEBRD SP.	1		1			1
TOT FRIGATEBIRD						2
SOOTY TERN	7		7	56	55	118
ARCTIC? TERN	1	1				1
PHALEROPE SP	1	1				1
BIRD				50		50
TOTAL	65	8	57	235	84	384
MILES		103	115	91	89	398

"INTRA ISLAND"

SIC 18 NON GRID
KINGMAN REEF TO STARBUCK I.
15–29 MARCH 1967

	15	19	21	25	28	29	"87"29		TOT
WEDGETAILED SHEAR.	8	1	4	25	4	1	7	12	50
SOOTY SHEAR.				13 ~~18~~	15	1	2	18	31
SLNDR BILL SHEAR.					1			1	1
SOOTY/SLNDRBIL SHR.				20	16		3	19	39
CHRISTMAS SHEAR.				2					2
TOT SHEAR.									123
PHOENIX/TAHITI PET	1		2	5	1			1	9
MOTTLED PETREL					1			1	1
JUAN FERNANDEZ PET					1			1	1
SMALL PTERO SP				1	1			1	2
PTERO SP.				1		2		2	3
TOT PTERO									16
BULWERS PETREL	2		9						11
UNIDENT SHEAR/PET	2			3	8	3		11	16
STORM PETREL	1	1	1	3	10	8	12	30	36
TOT PROCELFRMS									202
WHITE-TAILED T'BIRD		1	1						2
RED-TAILED T'BIRD				2					2
TOT T'BIRD									4
BLUEFACED BOOBY	6			3	111	2	1	114	123
BROWN BOOBY	5								5
RED-FOOTED BOOBY	231	215	36	33	7	3		10	525
BOOBY SP.	~~3~~			1	3			3	4
TOT BOOBY									657
GREAT FRIGATE BIRD	1		1	1	1			1	4
LESSER FRIGATEBIRD				1					1
FRIGATE BIRD SP.					3	1	2	6	6
TOT FRIGATEBRD									11
GOLDEN PLOVER				1	1			1	2
SOOTY TERN	857	1	1	53	171	28	105	304	1216
BLUE GRAY NODDY		2		2					4
COMMON NODDY		68							68
WHITE-CAPPED NODDY	4	27	4						35
NODDY SP.		34 ~~3~~							34
WHITE TERN		~~464~~	11			1	~~4~~	5	480
TERN SP.	19	~~464~~			17			17	36
TOTAL TERN									1873
BIRD				1					1
MILES	52	45	35	62	93	67	47	207	401
TOTAL	1137	814	70	171	372	50	136	558	2750

NONGRID SIC 18 STARBUCK TO AM. SAMOA
4-8 APRIL 1967

	102	33	40	118	118	118	123	123	40	125	125	65	70	1200
	YAG 4	"86" 4	"87" 4	YAG 5	"86" 5	"87" 5	YAG 6	"86" 6	"87" 6	YAG 7	"86" 7	YAG 8	"86" 8	TOT.
WEDGE-TAILED SHRWTR	42	~~54~~	5	84	45	18	28	67	4	380	33 4 4 6 329	4	31 38 27 96	1102
NEW ZEALAND SHRWTR										1				1
SOOTY SHEARWATER	2			17			1	9		3 ~~5~~	16	5	~~226~~ 10	63
SOOTY/SLNORBL SHWR	3	6	3	6	1	4	5	5		5	1	7		46
CHRISTMAS SHRWTR						5								5
AUDUBON/LITTLE SHRWT.							1						2	3
~~TAHITI PET~~ SHEAR SP.	1			1								1		3
TOT SHEARWATER														1223
TAHITI PETREL													1	1
PHOENIY/TAHITI PET.					2		1		1	1	1		1	7
MOTTLED PET.											2			2
COOK'S PET												1		1
SMALL PTERO SP			1	5		1		1			2	2	2	14
PTERO SP								3	2		1			6
TOT PTERO														31 ~~35~~
BULWER'S PETREL	3	2	1	3	6	1	2	2		5	1		2	28
UNIDENT SHEARPET.			2	5		3		1	1	9	~~36~~ 11	4	~~2~~ 2	38 ~~39~~
STORM PET.	4	3	2	1	3	3	7	12	2	2	2			41
TOT PROCEL. FRMS														1361
WHITE-TAILED T'BIRD								3		5		10	3	21
RED-TAILED T'BIRD	1	1											1	3
TOT T'BIRD														29
BLUE-FACED BOOBY	1													1
BROWN BOOBY							2				1		1	4
RED-FOOTED BOOBY										1	4	35	4	~~47~~ 43
TOT BOOBY														49
GREAT FRIGATEBIRD								1		~~2~~	2			3
LESSER FRIGATE BIRD	2													2
FRIGATEBIRD SP.	6					2		1		3				12
TOT FRIGABRD														17
~~GOLDEN PLOVER~~												1	1	2
SOOTY TERN	632	1		108	8	29	31	62	55	55 ~~32~~ ~~45~~ ~~3~~ 88			~~2~~ 2	1064
COMMON NODDY				1		3	1	1		9	1	178	~~54~~ ~~22~~ 82	276
WHITE CAPPED NODDY				5		7						251	~~61~~ 65	328
NODDY SP.						1						2		3
WHITE TERN	2			13	2	2	6	8		3 ~~3~~	3	18	~~8 9 12~~ 23	80
TERN SP.			1	1						10	1		~~3~~ 3	16
TOT TERN														1767
BIRD								2					1	3
TOTAL	699	13	15	250	67	72	85 ~~128~~	178	65	492	466	519	302	3223

SIC 18 NON GRID,
GRID TO OAHU, 23-29 APRIL 1967

		YAG 23	"87" 23	YAG 24	"86" 24	"87" 24	YAG 25	"87" 25	YAG 26	YAG 27	YAG 28	YAG 29	YAG 23-24 NOCT	TOT 24
PALE FOOT. SHRWTR	1			1										1
WEDGETAIL SHRWTR	633	1 lt. 74	11	ALL DK 152	70	139	2 lt. 24	96	ALL DK 5	2	1 t. PH 1	~~1 DK~~ ALL LT. 59		361
SOOTY SHRWTR	14	1		8	3							2		11
SLNDR BLLD SHRWTR	3				2							1		2
SOOTY/SLNDBLD SWTR	42	1		4	16	12	1		5		3			32
NEWELL SHRWTR	7					4	2					1		4
AUDUBON SHRWTR	2			1	1									2
~~PROCELLARIIFT PET.~~ TOT SHRWTR	702													73
~~MOTTLED~~ PT/I PET	5	4				1								1
MOTTLED PETREL	4	1		2								1		2
JUAN FERNANDZ PET	30	1		10		14	2		1		1	1		24
PT. EXTERNA	4				1					3				1
BLACK-WINGED PET.	2				2									2
SM. PTERO SP.	5		2		2						1			2
PTERO SP.	21					6		12		1WNP? 2		1		6
TOT PTERO.	71													38
BULWER PETREL	58	2		2	8	2	5	10	7	7	7	8		12
UNIDENT. SHEAR/PET	8	4		1	2				1				2	3
"WHITE RUMPED" ST. PET.	27	3	5	4	7	2	2			2	1	1		13
TOT PROCELFRMS	866													479
WHITE-TAILED T'BIRD	10						1				9			
RED-TAILED T'BIRD	2			1	1									2
TOT T'BIRD	12													2
BLUE FACED BOOBY	20			2	1	2	2	8	1		2	2		5
RED-FOOTED BOOBY	4	1		3										3
BOOBY SP	1					1								1
TOT BOOBY	25													9
FRIGATE BIRD SP	3		2									1		
LONGTAILED JAEGER	1								1					
JAEGER SP	4					1			3					1
TOT. JAEGER	5													1
SOOTY TERN	854	92	29	48	208	216	3	71	1	105		81	13	472
COMMON NODDY	7											7		
WHITE TERN	3		1	1		2		1						3
TOT TERN	866													475
BIRD	2						1		1					
TOTAL	1779	184	50	240	324	402	43	198	26	121	25	166	15	966
MILES	1201	114	114	113	113	113	103	85	109	113	112	112		339

BT Stds — Sic 18

		ST	50	100	150	200	TC
001	10-20	243 ~~27.0~~	23.3 PM	22.2	20.0	16.5	75
002	10-24	24.1 ~~26.8~~	24.0 WM-85	23.2	20.4	18.1	85
003	11-12	25.0 ~~27.0~~	24.4 MM-100	24.1	22.8	20.1	115
004	11-16	25.0 ~~27.0~~	24.7 WM-95	24.6 .5	22.4	17.9	120
005	11-20	25.6 ~~27.2~~	24.8 MM-125	24.6	22.0	19.0	145
006	12-00	250 -	24.2 MM-100	23.9	21.8	18.2	120
007	12-04	25.2	25.0 MM-105	24.3	20.6	16.9	110
008	12-08	25.1	25.4 MM-75	23.0	19.5	14.3	80
009	12-12	25.6	25.5 MM-85	22.9	16.9	12.1	90
010	12-16	26.5	25.5 WM-75	22.4	16.3	11.0	80
011	12-20	26.3	26.1 WM-80	23.1	15.7	11.7	80
012	12-24	26.2	26.1 WM-85	23.7	15.2	12.2	85
013	13-04	26.2	26.2 WM-95	25.5	17.8	11.4	95 (200)
014	13-08	26.5 WELL MIXED	26.5 WM-100	26.1	17.5	11.5	105
015	13-12	26.8	26.3 WM-100	26.2	17.8	11.5	105
016	13-16	27.0	26.7 WM-80	21.9 1.5	15.8	11.7	80
017	13-20	26.1	26.3 WM-80	22.5	15.0	11.4	80
018	13-24	26.0					
019	1404	26.0					
020	1408	26.5	26.8 WM-90	18.4	18.3	11.0	55
021	1412	270	26.5 WM-70	20.5	12.6	10.9	80
022	14-16	27.0	26.4 WM-70	20.5	12.0	—	75
023	14-20	26.8	26.6 WM-65	17.7	11.8	10.8	65

			50		100	150	200	TC
024	14-24	270	27.3	WM 90	26.8	13.0	(10)	95
025	15-04	270	27.4	WM-90	24.8	11.8	10.4	95
026	15-08	272	27.3	MM-85	24.9	15.4	(11)	

	DATE	TIME	LAT LONG	Tow	-100	-150	SURF
25				95 m	25.0	11.8	
26				85 m	25.0	15.5	
27				50 (P)	(23.0	13.1	
28				50 (P)	24.2	15.3	
29				50 (M)	25.6	14.8	
30				70 M	25 5	15 4	
31				75 m	25.5	16.5	
32				115 m	26.3	15.7	
33				90 m	25.1	19.0	
34				100 P	25.6	20.6	
35				100 P	24.1	18.0	
36				75 P	24.7	18.9	
37				80 P	24.2	16.9	
38				80 M	24.8	17.2	
39				105 M	24.6	23.0	
40				165 P	25.8	19.9	
41				65 M	24.4	21.0	
42				70 M	24.3	19 5	
43				100 M	26.6	22.8	
44				115 M	26.5	22.3	
45				85 M	26.3	23.5	
46				100 M	24.2	22.3	
47				80 P	25.5	22.5	
48				100 M	26.0	22.8	
49				130 M	26.2	23.3	
50				150 M	26.1	25.5	
51				100 M	26.4	25.9	
52				140 M	25.8	23.1	
53				140 M	26.2	24.8	
54				120 M	27.0	24.7	
55				125 P	25.3	24.0	
56				145 M	25.7	24.3	

	DLTS	TIME	LET	X	Telive	100	150	SOMF
57					135 M	27.3	24.3	
58					125 P	27.9	25.6	
59					90 W	27.4	23.3	
60					115 W	28.2	24.9	
61					135 MW	28.0	26.0	
62					125 W	28.1	25.3	
63					135 M-P	28.2	26.8	
64					100 M-P	28.0	25.0	
65					100 P-	27.9	25.7	
66					100 P	28.0	25.3	
67					125 W-M	28.8	26.2	
68					125 P	28.3	26.7	
69					100 PP	28.0	25.2	
70					75 P-M	28.7	25.0	
71					75 P	27.6	25.0	
72					100 P-M	28.4	25.8	
73					100 "	28.3	25.5	
74					95 W	28.4	25.5	
75					85 M "	28.0	-	
76					85 W-M	28.1	25.6	
77					85 M-W	28.0	25.4	
78					110 W-M	29.1	26.0	
79					80 M-W	28.1	25.1	
80					75 M	28.2	25.6	
81					70 M	28.0	24.0	
82					55 M P INC	27.7	24.9	
83					60 M INC	28.0	24.6	
84					55 M "	27.3	25.0	
85					85 M-W	28.1	25.0	
86					85 W-M	27.8	25.7	

132 3h 4ST
2h 121ST 2WRSP 12LF 5HTS

133 4h 1ST 3BFB 2SS
~~3~~ 10ST 1FS 1BFS
5h

3h
3.
2

3 A
17
51

	DATE	TIME	LOAD	TRK	TCUM	100	150	SORT
87					85 M-P	100 25.3	25.5	
88					100 M	29.3	30.2	
89					100 PP	28.4	26.5	
90					100 PP	28.7	27.1	
91					100 PP	28.2	27.2	
92					" "	27.7	26.0	
93					" PP	27.2	26.3	
94					175 M-P	27.0	26.2	
95					125 PP	27.5	26.0	
96					175 P-M	27.6	26.3	
97					175 M	27.3	26.0	
98					175 "	27.0	26.1	
99					120 M	27.1	25.6	
100					165 P	27.1	26.1	
101					100 M-P	27.0	26.1	
102					70/175 P	26.5	26.1	
103					60 & 165 PP M	26.2	25.8	
← 104					150 M-P	26.3	25.9	
105					165 M-P	26.5	26.2	
106					135 M	26.3	25.1	
107					135 M-P			
108					135 M-P	26.3	24.2	
109					140 M	27.1	26.0	
110					135 M	27.5	25.6	
111					120 M-P	27.2	25.6	
112					150 PP	27.5	26.1	
113					150 PP	27.3	26.0	
114					80/150 P	26.5	25.5	
115					80/160 PP	264	258	
116					75/150 P	26.4	25.3	
					80/150 P	26.5	25.6	

	DATE	TIME	LOAD	λ	MIX TEMP	100	150	SOLF
117					35/65 M/P	26.6	25.0	
118					65/160 M/M	26.4	26.0	
119					170 M	26.7	26.5	
120					180 M	26.6	26.4	
121					190 M	26.6	26.0	
122					130 M	26.7	24.8	
123					140 M	26.7	25.5	
124					150 M	26.8	26.0	
125					50/165 M	26.7	26.0	
126					" M	27.0	25.5	
127	21-08				60/160 M	26.4	26.4	
128	12				70/150 M	26.5	26.3	
129	16	T/CLINE			140 M	26.8	26.0	
130	20				160 M	26.8	26.4	
131	24				150 M	26.7		
132	28-12	190			150 M	26.6	26.0	26.2
133	16	175			140 M	26.7	26.1	25.1
134	20	180			150 M	26.8	26.1	25.1
135	24	185			155 M	26.8	26.4	25.1
136	31 04	170			150 M	27.0	26.1	27.0
137	2308	170			140 M	26.5	25.7	25.0
138	12	155			130 M	26.4	24.0	24.1
139	1-4	155			115 M	26.1	24.0	24.1
	16	155			120 M	26.7	25.2	24.9
141	19	140			130 M	26.3	25.8	25.3
142	101	140			135 M	26.1	25.5	25.4
143	23	140			145 M	26.6	25.8	25.6
144	28	135			95 M	26.1	25.6	25.5
145	12	140			100 M	26.7	25.6	25.7

48	24 0800	5°15′	120 W	27.8	16.5	145	284
49	1000	4°58′	75 (NE)	27.3	20.0	145	282
50	1200	4°44′	10NW	27.4	21.2	150	281
51	1400	4°22′	7NW (NW)	27.3	22.0	140	286
52	1600	4°41′	NNW(NNE)	27.8	20.7	150	285
53	2000	5°14′	75 NNW	27.2	15.2	145	283
54	2400	5°48	120 W	27.8	16.5	145	282
55	25 0800	6°27′	75 W	26.1	16.9	135	282
56	1000	6°52	85 W	24.3	17.1	125	280
57	1600	7°20	70 NW	26.0	16.2	125	284
58	2000	7°41	7 NW	24.0	19.1	100	275
59	26 0800	9°03′	75 NW	22.8	14.4	115	272
60	1200	9°29′	60 NW (NW)	24.3	13.2	120	272
61	1600	9°58′	70 NW	24.8	16.5	120	278
62	2000	10°24	70 NW	24.0	15.0	120	277
63	2400	10°50	85 W	23.0	17.1	130	275
64	27 0400	11°03	75 W (NW)	26.6	17.0	—	272
65	0800	11°27	75 W (NW)	25.1	17.0	—	269
66	1200	11 59	70 W	25.1	17.2	—	271
67	1600	12 24	75 W	25.7	17.8	130	271
68	2000	12°47	65 NW (NW)	25.7	19.2	—	270
69	2400	13°11	55 W	25.7	17.0	—	269
70	28 0400	13°39′	5 NW (NW)	23.5	19.2	—	269

201

	16	15	14	13	12	11	10	9
26	160	165	180	185	190	220	250	—
27	185	190	200	205	215	230	250	—
28	205	205	210	210	220	235	265	—
29	200	210	215	220	235	250	—	—
30	205	210	215	220	225	240	260	—
31	220	225	230	240	250	255	275	—
2	210	225	235	240	250	265	—	—
3	25	215	220	230	240	260	—	—
4	195	205	215	220	230	260	—	—
5	180	185	195	215	225	275	—	—
6	180	185	190	195	215	290	—	—
7	190	195	205	215	235	—	—	—
8	195	200	220	235	265	—	—	—
9	200	205	220	235	270	—	—	—
40	195	205	225	235	270	—	—	—
1	195	205	220	235	280	—	—	—
2	105	220	235	250	—	—	—	—
3								
4								
5								
6								
7								
8								
9								
50								

	103 M	115 MI	91 M	89 MI		398
	11	12	13	14		T
Sb				2	.5	2
S/Sb		1		2	.8	3
WTS	2	13	15	5	9.0	35 20% S/P
NEW			5		1.3	5
SHEAR		2	1		.8	12.5 3
PEX		1	31	10	16.0	28 ~~36~~ S/P 62 36% S/P
DRP	1	1			.5	2
PIP				2	.5	2
LGPTERO			16		4.2	21.4 16 47% S/P
BUL			1	1	.5	2
S/P	1	5	33 (12) ALL BUT 5 BEHIND OVERTOP OF TSP	2	10.7	45.1 41
WRSP	1	1	1	2	1.3	5
WTTB		11	4		3.9	15
TROP.SP		1			.3	4.2 1
BFB	1	11	2	3	4.4	17
RFB		1			.3	4.7 1
GF		1		1	.3	1
FS		1			.3	.5 1
ST		7	56	55	30.8	118
ARC?T	1				.3	1
PHAL SP.	1				.3	1
BIND			50		13.0	50
	8	57	235	84		384
			61%			
#SP	6	10	8	8		15 8/day

71
109

180
1600

180
244

3
5.9
11

8/15/45

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

2346
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USS GEORGE EASTMAN YAG-39 DATE (GMT) APRIL 28 19 67

AT/PASSAGE FROM _____ TO _____

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	ØYØ	19	10	SCT	29.86	82	75	7	2000	CU	86	ØSØ	3	3	ØØ	4	5
01	Ø46	20	10	SCT	29.86	82	75	5	2000	CU	86	ØSØ	3	3	ØØØ	4	5
02	076	17	10	SCT	29.86	83	76	5	2000	CU	86	060	3	3	070	4	4
03	090	18	10	SCT	29.87	83	75	5	2000	CU	86	075	3	3	080	4	5
04	044	22	10	SCT	29.87	81	75	5	2000	CU	86	055	3	4	090	4	5
05	088	20	10	SCT	29.87	80	75	6	2000	CU	86	050	3	4	085	4	5
06	029	21	10	SCT	29.89	80	74	5	2000	CU	86	065	3	4	065	4	5
07	090	22	10	BKN	29.92	80	74	6	2000	CU	86	080	3	4	080	4	5
08	037	21	10	R	29.93	80	74	7	2000	CU	86	080	3	4	080	4	5
09	075	23	10	BKN	29.94	80	74	7	2000	CU	86	080	3	4	080	4	5
10	Ø40	22	10	BKN	29.94	80	74	7	2000	CU	86	080	3	4	080	4	5
11	Ø42	22	10	BKN	29.94	80	74	7	2000	CU	86	080	3	4	080	4	5
12	Ø4Ø	22	10	BKN	29.94	80	74	7	2000	CU	86	060	3	4	050	4	5
13	Ø46	22	10	BKN	29.91	80	74	7	2000	CU	86	060	3	4	080	4	5
14	ØY5	22	10	BKN	29.90	79	71	7	2000	ST	86	ØGØ	3	4	ØSØ	4	5
15	ØY5	22	10	BKN	29.91	79	71	9	2000	ST	86	ØGØ	3	4	ØSØ	4	5
16	ØY5	20	10	BKN	29.92	79	71	8	2000	CU	86	ØGØ	3	4	ØSØ	4	5
17	088	20	10	BKN	29.94	79	72	5	2500	AC	85	075	3	4	080	4	5
18	050	21	10	BKN	29.95	79	72	4	2500	AC	85	075	3	4	080	4	5
19	048	18	10	SCT	29.96	81	74	3	2000	CU	86	070	3	4	075	4	5
20	060	20	10	SCT	29.98	81	73	3	2000	CU	86	070	3	4	075	4	5
21	075	20	10	SCT	29.97	81	73	4	2000	CU	86	080	3	4	080	4	5
22	050	16	10	BKN	29.96	81	74	7	2000	CU	86	055	3	4	060	4	5
23	055	19	10	BKN	29.95	81	73	7	2000	CU	84	065	3	4	070	4	5

TABLE II
SYNOPTIC OBSERVATIONS

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS George Eastman YAG-39 DATE (GMT) April 27 19 67

AT/PASSAGE FROM Special ops TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED Direction (True)	Force (Knots)	VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths) Dry Bulb	Wet Bulb	CLOUDS Amount (Tenths)	Height	Type	SEA WATER TEMP. (Degrees and tenths)	SEA WAVES Direction (True)	Period (Seconds)	Height (Feet)	SWELL WAVES Direction (True)	Period (Seconds)	Height (Feet)
00	084	24	8	OVC	29.87	76	73	10	2000	CU	85	055	3	4	090	4	7
01	035	25	2	R	29.87	76	73	10	2000	CU	84	075	3	4	085	4	7
02	019	33	6	R	29.84	75	72	10	2000	CU	86	060	3	4	070	4	8-9
03	043	32	6	OVC	29.86	76	73	10	2000	CU	86	060	3	4	070	4	8-9
04	070	26	10	OVC	29.86	76	73	10	2000	CU	86	070	3	4	070	4	8-9
05	055	26	10	OVC	29.87	76	73	10	2000	CU	86	085	3	4	082	4	8-9
06	055	22	10	OVC	29.86	76	73	10	2000	CU	86	070	3	3	075	4	8
07	055	24	10	OVC	29.88	76	73	10	2000	CU	86	065	3	3	070	4	8
08	055	22	10	OVC	29.87	76	73	10	2000	CU	86	065	3	3	070	4	7
09	070	23	10	OVC	29.89	76	73	10	2000	CU	86	070	3	3	075	4	3
10	059	20	10	OVC	29.90	80	74	10	2000	CU	86	080	3	3	085	4	4
11	052	20	10	OVC	29.88	80	73	10	2000	CU	86	080	3	3	085	4	4
12	060	17	10	OVC	29.87	80	73	10	2000	CU	86	075	3	3	080	4	5
13	030	22	10	BKN	29.86	80	74	9	2000	CU	86	080	3	3	080	4	5
14	066	23	10	OVC	29.84	80	74	10	2000	CU	86	070	3	3	070	4	5
15	069	24	10	OVC	29.84	80	75	10	2000	CU	86	075	3	3	075	4	5
16	045	17	10	OVC	29.85	81	74	9	2000	CU	86	080	3	3	080	4	6
17	066	15	10	BKN	29.87	81	74	8	2000	CU	86	065	3	2	080	4	5-6
18	039	14	8	R	29.89	80	74	10	1500	CU	85	040	3	2	060	4	5-6
19	042	14	10	SCT	29.92	81	75	~~10~~ 6	2000	CU	85	042	3	2	060	4	5
20	050	14	10	SCT	29.92	82	75	6	2000	CU	85	050	3	2	060	4	5
21	050	14	10	SCT	29.92	82	75	6	2000	CU	85	050	3	2	050	4	5
22	050	15	10	SCT	29.92	82	75	8	2000	CU	86	050	3	2	060	4	4
23	040	20	10	SCT	29.90	82	75	6	2000	CU	86	050	3	2	060	4	4

TABLE II

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS BOOKE (LSTinn) LSC 3? DATE (GMT) APRIL 24 19 67

AT/PASSAGE FROM SASEBO, JAPAN TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	085	22	10	OVC	29.83	80	77	9	1500	CU	87	095	3	4	085	4	6-7
01	085	20	10	OVC	29.84	80	77	9	1500	CU	87	085	3	4	085	4	5
02	075	15	10	OVC	29.81	80	77	10	1500	CU	87	025	3	4	085	4	6
03	050	15	10	OVC	29.81	80	77	10	1500	CU	87	095	3	4	085	4	6
04	040	18	10	OVC	29.80	80	77	10	1500	CU	87	080	3	4	070	4	6
05	010	12	10	OVC	29.83	79	76	10	1500	CU	87	080	3	4	070	4	6
06	220	34	5 R	R	29.85	80	76	10	1500	CU	87	035	3	4	090	4	7
07	—	—	10	OVC	29.88	80	76	10	1500	CU	86	050	3	4	070	4	7
08	090	26	3	R	29.91	76	73	10	1500	CU	86	075	3	4	085	4	6
09	090	20	4	R	2993	76	73	10	1500	CU	86	080	3	3	085	4	6
10	090	25	2	R	29.90	76	74	10	1500	CU	86	085	3	3	090	4	6
11	095	14	3-7	R	29.90	77	75	10	1500	CU	86	080	3	3	080	4	6
12	060	4	5-5	R	29.90	78	75	10	1500	CU	86	085	3	3	085	4	6
13	110	8	7-9	OVC	29.87	78	75	10	1500	CU	86	085	3	2	085	4	4
14	110	8	7	OVC	29.89	78	75	10	1500	CU	86	085	3	2	085	4	5
15	095	8	10	OVC	29.88	78	75	10	1500	CU	86	090	3	2	085	4	5
16	075	8	10	OVC	29.87	78	75	10	1500	CU	86	080	3	2	085	4	5
17	050	12	10	OVC	29.85	77	73	10	2000	CU	86	070	3	2	060	4	5
18	040	8	10	BKN	29.87	78	74	8	2000	CU	86	060	3	2	050	4	4
19	040	8	10	BKN	29.90	79	75	8	2000	CU	86	060	3	2	050	4	4
20	015	22	10	BKN	29.90	79	75	9	2000	CU	86	060	3	2	050	4	4
21	010	10	10	BKN	29.90	79	75	10	2000	R	86	060	3	2	050	4	4
22	043	20	7	12 OVC	29.92	77	73	10	2000	CU	84	050	3	3	060	4	5
23	097	30	7	OVC	29.84	78	74	10	2000	CU	84	080	3	4	085	4	5

TABLE II

0107-714-4100

SHIP WEATHER OBSERVATION SHEET

USS _____ DATE (GMT) APRIL 25 19 67

AT/PASSAGE FROM _____ TO _____

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	050	25	10	BKN SCT	29.53	81	77	8	2000	CU	87	090	3	3	100	4	5
01	017	25	10	BKN	29.79	81	76	8	2000	CU	87	100	3	3	105	4	5
02	104	20	10	BKN	29.78	82	76	8	2500	CU	87	090	3	3	090	4	5
03	108	16	10	OVC	29.77	82	75	9	2500	CU	87	065	3	3	080	4	6
04	090	19	10	OVC	29.77	81	76	9	2500	CU	87	075	3	3	080	4	6
05	030	14	10	OVC	29.79	82	77	9	2000	CU	87	080	3	3	090	4	6
06	009	30	10	OVC	29.81	82	77	9	2000	CU	87	070	3	3	075	4	6
07	000	12	10	OVC	29.85	79	76	10	2500	CU	87	070	3	3	075	4	6
08	350	20	10	OVC	29.86	79	74	10	2000	CU	87	070	3	3	075	4	5
09	080	16	10	OVC	29.87	79	76	10	2000	CU	87	070	3	3	075	4	6
10	075	28	10	OVC	29.89	77	76	10	2000	CU	87	070	3	3	075	4	6
11	120	32	10	BKN	29.88	77	75	10	2000	CU	87	070	3	3	075	4	6
12	070	18	10	BKN	29.83	77	75	8	2000	CU	87	070	3	3	075	4	6
13	220	19	4	R	29.80	77	75	10	2000	CU	87	070	3	3	080	4	7
14	116	30	5	R	29.84	78	75	10	1500	CU	87	085	3	4	090	4	7
15	145	27	5	R	29.82	78	75	10	1500	CU	87	085	3	4	090	4	7
16	128	24	5	R	29.81	79	75	10	1500	CU	87	080	3	4	090	4	7
17	102	24	5	R	29.82	78	74	10	1500	CU	87	110	3	4	100	4	7
18	094	18	8	OVC	29.83	78	74	10	1500	CU	87	105	3	4	095	4	7
19	105	30	10	OVC	29.85	79	74	10	1500	CU	87	095	3	4	095	4	7
20	110	26	10	OVC	29.85	80	75	10	1500	CU	87	095	3	4	080	4	7
21	102	26	10	OVC	29.86	82	76	9	1500	CU	87	100	3	4	085	4	7
22	120	22	10	OVC	29.88	81	76	9	1500	CU	87	130	3	4	085	4	6-7
23	095	30	10	OVC	29.88	81	76	10	1500	CU	87	095	3	4	085	4	6-7

TABLE II
SYNOPTIC OBSERVATIONS

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS GEORGE EASTMAN (YAG 39) DATE (GMT): April 24 19 67

AT/PASSAGE FROM SPECIAL OP. TO

TABLE I

TIME (GMT)	WINDS ☐ √ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	105	17	10	SCT	29.82	85	77	6	2000	CU/ST	87	105	3	2	055	4	5
01	105	18	10	SCT	29.80	85	77	7	2000	CU/ST	87	105	3	3	055	4	5-6
02	105	18	10	SCT	29.87	85	77	7	2000	CU/ST	87	105	3	3	055	4	5-6
03	090	12	10	BKN	29.76	84	76	8	2000	CU	87	055	3	3	050	4	6
04	102	28	10	BKN	29.75	84	76	10	2000	~~CB~~	87	055	3	3	050	4	6
05	090	8	10	SCT	29.76	84	76	7	2000	CU/ST	87	060	3	3	070	4	6
06	078	22	10	SCT	29.80	84	76	7	2000	CU/ST	87	060	3	3	070	4	6
07	078	22	10	SCT	29.82	82	77	5	2000	CU	88	070	3	3	065	4	6
08	088	20	10	SCT	29.84	82	77	4	2000	CU	88	075	3	3	080	4	5
09	099	14	10	SCT	29.86	82	77	3	2000	CU	88	070	3	3	080	4	5
10	086	21	10	SCT	29.86	86	76	3	2000	CU	88	070	3	3	075	4	6
11	092	23	10	SCT	29.85	82	76	3	2000	CU	88	075	3	3	075	4	6
12	085	21	10	SCT	29.84	82	76	3	2000	CU	88	065	3	3	065	4	6
13	079	20	10	SCT	29.82	83	77	2	2000	CU	87	060	3	3	060	4	6
14	091	23	10	BKN	29.79	83	76	7	2000	CU	87	070	3	3	070	4	6
15	095	17	10	BKN	29.80	81	75	7	2000	CU	87	095	3	2	050	4	6
16	095	17	10	BKN	29.80	81	75	7	2000	CU	87	095	3	2	050	4	6
17	095	17	10	BKN	29.81	81	75	7	2000	CU	87	095	3	2	050	4	6
18	085	08	10	SCT	29.82	82	75	4	2000	CU	87	095	3	2	090	4	6
19	090	8	10	SCT	29.84	82	75	9	2000	CU	87	090	3	2	080	4	6
20	097	32	10	BKN	29.85	82	76	9	2000	CU	87	085	3	3	090	4	6
21	060	20	10	BKN	29.86	83	76	10	2000	CU	87	085	3	3	090	4	6
22	065	32	10	BKN	29.86	83	76	9	2000	CU	87	085	3	3	090	4	6
23	064	21	10	BKN	29.86	83	76	10	2000	CU	87	080	3	4	090	4	6

TABLE II
SYNOPTIC OBSERVATIONS

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS _____ DATE (GMT) APRIL 23 19 67

AT/PASSAGE FROM _____ TO _____

TABLE I

	TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees)	SEA WAVES			SWELL WAVES		
		Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount	Height	Type		Direction	Force	Height	Direction	Period	Height (Feet)
3	00	040	11	10	SCT	29.83	83	75	3	2000	CU	86	070	3	2	090	4	3
4	01	040	12	10	SCT	29.78	83	75	2	2000	CU	86	070	3	2	090	4	3
5	02	040	12	10	SCT	29.77	83	75	4	2000	CU	86	070	3	2	090	4	3
6	03	328	17	10	SCT	29.76	85	78	4	2000	CU	86	065	3	2	075	4	3
7	04	066	14	10	SCT	29.75	83	76	4	2000	CU	86	075	3	2	085	4	4
8	05	067	15	10	SCT	29.76	82	75	4	2000	CU	87	075	3	2	075	4	4
9	06	055	19	10	SCT	29.77	82	75	4	2000	CU	87	070	3	2	085	4	4
10	07	058	19	10	SCT	29.78	82	75	4	2000	CU	87	070	3	3	075	4	4
11	08	056	19	10	SCT	29.78	82	75	4	2000	CU	87	070	3	3	075	4	4
12	09	058	19	10	SCT	29.81	82	75	4	2000	CU	87	070	3	3	075	4	4
13	10	050	15	10	SCT	29.83	81	75	4	2000	CU	87	070	3	3	075	4	4
14	11	040	12	10	SCT	29.84	81	75	4	2000	CU	86	070	3	3	090	4	4
15	12	010	12	10	SCT	29.82	81	75	3	2000	CU	86	070	3	3	090	4	4
16	13	040	13	10	SCT	29.80	81	75	3	2000	CU	86	070	3	3	090	4	4
17	14	040	15	10	SCT	29.79	81	75	3	2000	CU	86	070	3	3	090	4	4
18	15	042	13	10	SCT	29.78	81	76	2	2000	CU	87	075	3	2	080	4	3
19	16	040	16	10	SCT	29.77	80	75	3	2000	CU	87	075	3	2	080	4	3
20	17	026	16	10	SCT	29.78	81	76	4	2000	CU	87	065	3	2	080	4	4
21	18	030	20	10	SCT	29.80	81	75	4	2000	CU	87	065	3	3	060	4	4
22	19	070	20	10	BKN	29.82	82	76	7	2000	CU	88	065	3	3	065	4	5
23	20	073	18	10	BKN	29.84	82	76	7	2000	CU	88	080	3	3	070	4	5
0	21	079	12	10	BKN	29.86	84	77	8	2000	CU	88	070	3	3	060	4	5
1	22	071	20	10	BKN	29.86	86	78	7	2000	CU	88	075	3	3	065	4	5
2	23	063	19	10	BKN	29.84	86	78	7	2000	CU	88	075	3	3	065	4	5

TABLE II
SYNOPTIC OBSERVATIONS

NAV FORM 3144-1 (9-64)
S-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

George E. Kest Para. DATE (GMT) APRIL 22 19 69

AT/PASSAGE FROM _____ TO _____

TABLE I

TIME (GMT)	WINDS ☐ √ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER	TEMPERATURE (Degrees and tenths)		CLOUDS		SEA WATER TEMP	SEA WAVES		SWELL WAVES		
	Direction (True)	Force													
	120	11	10	SCT	29.86	82	75	6	2000	CU	87	135	3	2	125	4	4
04	110	16	10	SCT	29.79	81	75	6	2000	CU	87	110	3	2	125	4	4
05	070	16	10	SCT	29.79	82	75	7	2000	CU	87	135	3	3	125	4	5
06	110	15	10	SCT	29.77	82	75	7	2000	CU	87	135	3	3	125	4	5
07	070	12	10	SCT	29.83	81	75	7	2000	CU	87	095	3	3	085	4	4
08	070	11	10	SCT	29.85	81	75	7	2000	CU	87	095	3	3	085	4	4
09	070	12	10	SCT	29.86	80	75	3	2000	CU	87	095	3	3	095	4	4
10	070	11	10	SCT	29.88	80	75	3	2000	CU	87	095	3	3	095	4	4
11	055	15	10	SCT	29.88	81	75	3	2000	CU	86	090	3	1	095	4	4
12	068	13	10	SCT	29.87	80	75	3	2000	CU	86	095	3	1	100	4	3
13	025	16	10	SCT	29.85	80	75	5	2000	CU	86	085	3	1	090	4	3
14	045	14	10	SCT	29.83	80	75	4	2000	CU	86	090	3	1	095	4	3
15	040	20	10	SCT	29.82	81	76	5	2000	CU	86	075	3	1	075	4	3
16	045	18	10	SCT	29.81	81	76	3	2000	CU	86	090	3	1	090	4	3
17	060	20	10	SCT	29.82	81	75	3	2000	CU	86	095	3	1	090	4	3
18	085	15	10	SCT	29.82	81	75	3	2000	CU	86	085	3	1	095	4	3
19	090	16	10	SCT	29.84	82	75	3	2000	CU	86	090	3	1	100	4	3
20	085	16	10	SCT	29.87	82	75	3	2000	CU	86	085	3	1	095	4	3
21	050	17	10	SCT	29.89	82	75	3	2000	CU	86	050	3	2	090	4	3
22	090	14	10	SCT	29.89	82	75	3	2000	CU	86	090	3	2	095	4	3
23	092	11	10	SCT	29.86	82	75	2	2000	CU	86	090	3	2	090	4	3

TABLE II

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

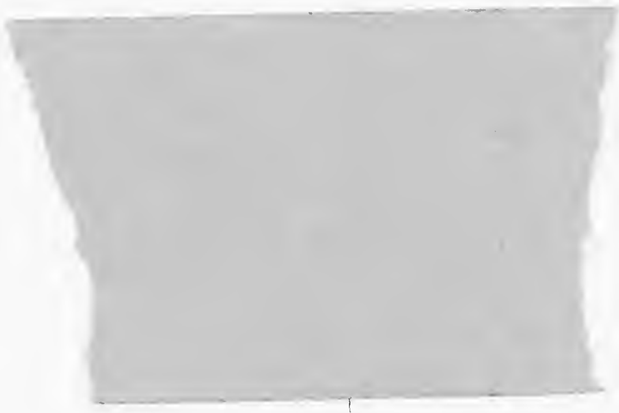
SHIP WEATHER OBSERVATION SHEET

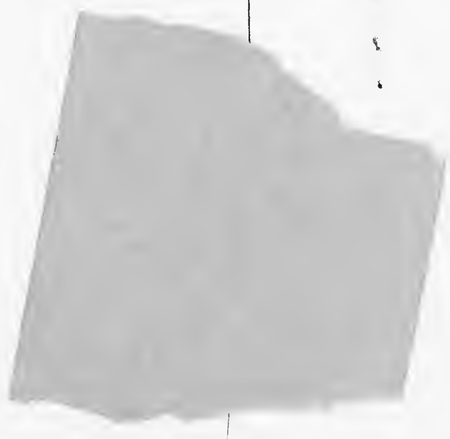
USS GEORGE BETHUNE DATE (GMT) 21 April 19 67

AT/PASSAGE FROM _____ TO _____

TABLE I

	TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED Direction (True)	Force (Knots)	VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths) Dry Bulb	Wet Bulb	CLOUDS Amount (Tenths)	Height	Type	SEA WATER TEMP. (Degrees and tenths)	SEA WAVES Direction (True)	Period (Seconds)	Height (Feet)	SWELL WAVES Direction (True)	Period (Seconds)	Height (Feet)
13	00	100	13	10	SCT	29.91	85	77	4	2000	CU	86	270	3	2	280	4	3
14	01	100	15	10	SCT	29.88	85	77	3	2000	CU	86	270	3	2	280	4	3
15	02	105	15	10	SCT	29.86	87	79	4.	2000	CU	86	055	3	2	070	4	3
16	03	095	15	10	SCT	29.85	89	79	3	2000	CU	86	140	3	2	145	4	3
17	04	097	16	10	SCT	29.83	83	76	4	2000	CU	86	105	3	3	110	4	4
18	05	105	16	10	SCT	29.84	82	76	4	2000	CU	86	100	3	3	100	4	4
19	06	122	18	10	SCT	29.85	81	76	5	2000	CU	87	095	3	3	100	4	4
20	07	097	16	10	SCT	29.87	81	75	2	2000	CU	86	100	3	3	110	4	4
21	08	108	18	10	SCT	29.88	81	76	5	2000	CU	86	110	3	3	115	4	4
22	09	110	16	10	OVC	29.90	81	76	9	2000	CU	87	105	3	3	105	4	4
23	10	090	15	10	BKN	29.91	81	76	8	2000	CU	87	100	3	3	100	4	4
24	11	108	18	10	BKN	29.90	81	74	8	2000	CU	87	100	3	3	100	4	4
01	12	075	14	10	SCT	29.90	80	76	7	2000	CU	87	100	3	3	1500	4	4
02	13	075	17	10	SCT	29.89	80	76	6	200	CU	87	075	3	3	100	4	4
03	14	075	17	10	SCT	29.86	80	76	5	2000	CU	87	057	3	3	100	4	4
04	15	090	19	10	SCT	29.84	81	75	4	2000	CU				2	090	4	3
05	16	090	20	10	SCT	29.84	81	75	3	2000	CU	87	060	3	2	090	4	3
06	17	090	20	10	SCT	29.85	81	75	2	2000	CU	87	060	3	2	090	4	3
07	18	097	23	10	SCT	29.87	81	75	4	2000	CU	88	115	3	3	125	3	4
08	19	090	22	10	SCT	29.88	81	75	4	2000	CU	88	120	3	4	120	4	5
09	20	097	21	10	SCT	29.90	81	75	4	2000	CU	88	125	3	4	120	4	5
10	21	105	20	10	SCT	29.93	82	75	3	2000	CU	87	135	3	4	120	4	5
11	22	110	22	10	SCT	29.92	82	76	3	2000	CU	87	130	3	4	120	4	5
12	23	112	18	10	SCT	29.90	85	77	4	2000	CU	87	100	3	4	095	4	5





DPNAV FORM 3144-1 (9-64)
107-711-4160

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS _____ DATE (GMT) 20th April 19 69

AT PASSAGE FROM _____ TO _____

TABLE I

TIME (GMT)	WINDS ☐ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	054	13	10	SCT	29.93	86	78	3	2000	CU	86	065	3	2	070	3	3
01	053	13	10	SCT	29.89	87	78	3	2000	CU	86	070	3	2	070	3	3
02	072	9	10	SCT	29.88	88	79	4	2000	CU	86	075	3	2	070	3	3
03	074	10	10	BKN	29.86	84	76	8	2000	CU	86	075	3	2	080	3	3
04	071	11	10	SCT	29.86	83	76	4	2000	CU	86	068	3	2	070	3	3
05	061	11	10	SCT	29.86	83	76	4	2000	CU	86	065	3	2	070	3	3
06	061	11	10	SCT	29.88	81	75	4	2000	CU	85	065	3	2	070	3	3
07	069	11	10	SCT	29.88	81	75	5	2000	CU	86	065	3	2	070	3	3
08	076	10	10	SCT	29.90	81	75	3	2000	CU	86	065	3	2	070	3	3
09	076	11	10	SCT	29.92	81	75	3	2000	CU	86	070	3	2	070	3	3
10	075	12	10	SCT	29.94	80	74	1	2000	CU	86	060	3	2	070	3	3
11	093	12	10	SCT	29.93	80	74	1	2000	CU	86	080	3	1	080	4	3
12	095	11	10	SCT	29.91	80	75	3	2000	CU	86	075	3	2	080	4	4
13	110	15	10	SCT	29.87	80	74	3	2000	CU	86	075	3	2	080	4	4
14	102	14	10	SCT	29.87	80	75	3	2000	CU	86	080	3	2	085	4	4
15	107	14	10	SCT	29.86	80	76	3	2000	CU	85	080	3	2	085	4	4
16	108	13	10	SCT	29.87	80	76	2	2000	CU	85	080	3	2	085	4	4
17	103	10	10	SCT	29.88	80	76	2	2000	CU	85	080	3	2	070	4	4
18	100	10	10	SCT	29.90	81	76	2	2000	CU	85	080	3	3	070	4	4
19	090	11	10	SCT	29.92	83	77	5	2000	CU	86	090	3	3	080	4	4
20	170	10	10	SCT	29.96	84	77	5	2000	CU	85	170	3	3	070	4	4
21	120	11	10	SCT	29.98	84	77	5	2000	CU	86	170	3	3	070	4	4
22	170	11	10	SCT	29.96	85	77	5	2000	CU	86	170	3	3	070	4	4
23	102	13	10	SCT	29.96	88	78	6	2000	CU	86	270	3	2	285	4	3

TABLE II

NAV FORM 3144-1 (9-64)
107-714-4100

DEPARTMENT OF THE NAVY

+1 (X-RAY)

SHIP WEATHER OBSERVATION SHEET

USS GEORGE EASTMAN (YAG 39) DATE (GMT) APRIL 19 19 67

AT/PASSAGE FROM SPECIAL OPS. TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	340	5	10	SCT	29.90	90	78	6	2000	CU	87	310	4	.5	100	4	3
01	340	5	10	SCT	29.86	91	78	6	2000	CU	87	340	4	.5	100	4	3
02	340	5	10	SCT	29.84	91	78	6	2000	CU	87	340	3	.5	100	4	3
03	340	12	10	SCT	29.83	91	78	2	2000	CU	87	340	3	.5	100	4	2
04	062	11	10	SCT	29.82	82	74	3	2000	CU	87	060	3	.5	070	4	2
05	062	10	10	SCT	29.82	81	71	2	2000	CU	87	060	3	.5	070	4	2
06	062	10	10	SCT	29.84	80	74	1	2000	CU	87	060	3	.5	070	4	2
07	035	13	10	SCT	29.86	80	73	2	2000	CU	87	045	3	1	050	3	3
08	038	14	10	SCT	29.88	80	73	2	2000	CU	87	050	3	1	050	3	3
09	053	15	10	SCT	29.90	80	73	3	2000	CU	86	055	3	1	055	3	3
10	046	16	10	SCT	29.91	80	73	3	2000	CU	86	045	3	2	055	4	3
11	045	15	10	SCT	29.90	80	73	5	2000	CU	86	045	3	2	050	4	3
12	046	19	10	SCT	29.90	80	73	5	2000	CU	86	040	3	2	050	4	3
13	037	14	10	SCT	29.87	80	73	2	2000	CU	86	040	3	2	060	4	3
14	043	12	10	SCT	29.85	79	73	3	2000	CU	85	040	3	2	050	4	3
15	050	12	10	SCT	29.86	79	73	3	2000	CU	85	050	3	2	055	4	3
16	050	12	10	SCT	29.86	79	73	3	2000	CU	85	050	3	2	055	4	3
17	050	12	10	SCT	29.87	77	73	3	2000	CU	85	053	3	2	055	4	3
18	063	12	10	SCT	29.90	82	75	2	2000	CU	85	053	3	2	055	4	3
19	063	12	10	SCT	29.90	83	75	3	2000	CU	85	050	3	1	060	4	3
20	060	12	10	SCT	29.93	85	76	5	2000	CU	85	240	3	1	230	4	3
21	060	12	10	SCT	29.94	83	76	4	2000	CU	85	240	3	1	230	4	3
22	060	12	10	SCT	29.94	83	76	4	2000	CU	85	240	3	1	230	4	3
23	052	16	10	SCT	29.96	86	78	3	2000	CU	86	075	3	1	080	4	3

TABLE II

SYNOPTIC OBSERVATIONS

OPNAV. FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS GEORGE EASTMAN YAG-39 DATE (GMT) 17 APRIL 1967

AT/PASSAGE FROM SPECIAL OPS TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	140	16	10	SCT	29.88	85	76	4	2000	CU	86	—	—	—	150	3	2
01	127	9	10	SCT	29.85	85	74	4	2000	CU	86	—	—	—	151	3	2
02	130	8	10	SCT	29.84	86	77	5	2000	CU	86	—	—	—	151	3	2
03	[illegible]																
04	[illegible]																
05	[illegible]																
06	[illegible]																
07	[illegible]																
08	[illegible]																
09	[illegible]																
10	[illegible]																
11	[illegible]																
12	[illegible]																
13	[illegible]																
14	[illegible]																
15	010	18	10	SCT	29.85	80	74	2	2000	CU	86	070	4	1	075	4	3
16	042	13	10	SCT	29.86	80	74	4	2000	CU	86	070	4	1	075	4	3
17	045	12	10	SCT	29.87	89	73	4	2000	CU	84	045	4	2	050	4	3
18	[illegible]		10	SCT	29.87	80	74	5	2000	CU	86	045	4	2	050	4	3
19	[illegible]	12	10	SCT	29.90	82	75	5	2000	CU	86	050	4	2	060	4	3
20	030	10	10	SCT	29.91	82	74	6	2000	CU	86	060	4	2	050	4	3
21	013	9	10	SCT	29.92	82	74	6	2000	CU	86	025	4	2	005	4	3
22	044	6	10	SCT	29.92	84	76	3	2000	CU	86	90	4	2	100	4	3
23	068	9	10	SCT	29.91	84	75	5	2000	CU	86	90	4	2	100	4	3

TABLE II
SYNOPTIC OBSERVATIONS

AV FORM 3144-1 (9-64)
607-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS GEORGE EASTMAN YAG 39 DATE (GMT) 17 APRIL 19 67

AT/PASSAGE FROM SPECIAL OPS TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	245	5	10	SCT	29.92	91	79	6	2000	CU	86	245	4	5	040	4	3
01	245	5	10	SCT	29.90	91	79	6	2000	CU	86	245	4	5	040	4	3
02	245	5	10	SCT	29.90	90	78	6	2000	CU	86	245	4	5	040	4	3
03	117	8	10	SCT	29.88	88	76	6	2000	CU	86	—	—	—	230	4	2
04	117	6	10	SCT	29.88	88	76	5	2000	CU	86	—	—	—	230	4	2
05	270	6	10	SCT	29.89	88	76	4	2000	CU	86	—	—	—	230	4	2
06	270	6	10	SCT	29.90	88	76	6	2000	CU	86	—	—	—	230	4	2
07	278	2	10	SCT	29.93	82	77	3	2000	CU	86	—	—	—	070	3	3
08	275	5	10	SCT	29.93	81	75	3	2000	CU	86	—	—	—	080	3	3
09	115	6	10	SCT	29.95	80	75	2	2000	CU	86	—	—	—	075	3	3
10	124	9	10	SCT	29.96	80	75	2	2000	CU	86	—	—	—	070	3	3
11	132	9	10	CIR	29.93	81	74	1	2000	CU	86	—	—	—	060	3	3
12	133	9	10	SCT	29.91	80	74	2	2000	CU	86	—	—	—	060	3	3
13	120	7	10	SCT	29.89	80	73	2	2000	CU	86	—	—	—	050	3	3
14	122	8	10	SCT	29.88	80	74	2	2000	CU	86	—	—	—	070	3	3
15	120	8	10	SCT	29.87	86	74	2	2000	CU	86	—	—	—	070	3	3
16	100	8	10	SCT	29.87	80	74	2	2000	CU	86	—	—	—	070	3	3
17	100	8	10	SCT	29.87	80	74	2	2000	CU	86	—	—	—	070	3	3
18	140	8	10	SCT	29.89	80	74	4	2000	CU	84	—	—	—	100	4	2
19	135	8	10	SCT	29.90	82	75	6	2000	CU	84	—	—	—	100	4	1
20	100	6	10	SCT	29.91	83	75	3	2000	CU	84	—	—	—	050	4	2
21	105	10	10	SCT	29.92	84	75	2	2000	CU	84	—	—	—	050	4	2
22	105	6	10	SCT	29.91	86	77	4	2000	CU	84	—	—	—	045	4	2
23	137	7	10	SCT	29.89	89	79	5	2000	CU	84	—	—	—	140	3	2

TABLE II
SYNOPTIC OBSERVATIONS

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS GEORGE EASTMAN YAG-39 DATE (GMT) 16 APRIL 19 67

AT/PASSAGE FROM SPECIAL OPS TO

TABLE I

	TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
		Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
3	00	354	22	10	SCT	29.88	85	76	6	2000	CU	87	Ø2Ø	2	2	Ø3Ø	4	3
4	01	354	22	10	SCT	29.88	85	76	4	2000	CU	87	Ø2Ø	2	2	Ø3Ø	4	3
5	02	354	20	10	SCT	29.87	85	76	7	2000	CU	87	Ø25	2	2	Ø35	4	3
6	03	Ø16	20	10	SCT	29.86	85	76	6	2600	CU	87	035	3	3	040	4	4
7	04	005	12	10	SCT	29.87	84	75	4	2000	CU	85	030	3	3	040	4	4
8	05	356	7	10	SCT	29.89	83	74	3	2000	CU	87	040	2	3	035	4	4
9	06	003	9	10	SCT	29.90	82	70	2	2000	CU	87	045	2	3	035	4	4
0	07	351	9	10	SCT	29.91	82	75	3	2000	CU	86	015	3	2	040	4	4
1	08	010	12	10	SCT	29.92	81	75	3	2000	CU	86	010	3	2	025	4	3
2	09	015	12	10	SCT	29.92	81	75	5	2000	CU	87	015	3	2	035	4	3
3	10	020	12	10	SCT	29.94	81	75	5	2000	CU	87	020	3	2	025	4	4
4	11	Ø45	15	10	SCT	29.93	81	75	5	2000	CU	88	Ø2Ø	3	2	Ø25	4	4
1	12	Ø45	19	10	SCT	29.91	81	75	3	2000	CU	88	Ø2Ø	3	2	Ø25	4	4
2	13	Ø35Ø	20	10	SCT	29.90	81	75	3	2000	CU	88	Ø2Ø	3	2	Ø25	4	4
3	14	Ø3Ø	20	10	SCT	29.88	81	75	3	2000	CU	88	Ø2Ø	3	2	Ø25	4	4
4	15	060	13	10	SCT	29.88	80	74	3	2000	CU	88	025	3	2	030	4	4
5	16	045	10	10	SCT	29.89	80	73	3	2000	CU	87	030	3	3	035	4	4
6	17	052	9	10	SCT	29.89	80	74	2	2000	CU	87	025	3	2	035	3	4
7	18	052	8	10	SCT	29.90	80	74	2	2000	CU	87	030	3	1	035	3	3
8	19	085	9	10	SCT	29.92	80	74	4	2000	CU	87	040	3	1	045	3	3
9	20	086	6	10	SCT	29.93	81	75	5	2000	CU	86	045	3	1	035	3	3
0	21	100	3	10	SCT	29.94	83	75	3	2000	CU	86	110	3	1	105	3	3
1	22	140	3	10	SCT	29.94	85	76	3	2000	CU	86	110	3	.5	105	3	2
2	23	118	6	10	SCT	29.93	85	76	3	2000	CU	86	110	3	.5	105	3	3

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SHIP WEATHER OBSERVATION SHEET

USS GEORGE EASTMAN YAG-39 DATE (GMT) APRIL 15 19 67

AT/PASSAGE FROM Special Ops TO

TABLE I

	TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
		Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
13	00	075	12	5	R.	29.88	72	74	10	1500	cu	88	045	2	2	040	4	3
14	01	074	12	8	OVC	29.84	78	75	10	1500	cu	88	040	2	2	020	4	3
15	02	053	13	8	R	29.82	78	74	10	1500	cu	88	040	2	2	030	4	3
16	03	325	7	8	R	29.82	74	74	10	1500	CU	88	040	2	2	030	4	0
17	04	345	7	8	R.	29.85	74	74	10	1500	CU	88	045	2	2	030	4	3
18	05	045	6	5	R	29.85	79	75	10	1500	cu	88	040	2	2	030	4	3
19	06	355	6	5	R	29.86	79	75	10	1500	CU	88	040	2	2	030	4	3
20	07	350	14	10	BKN	29.88	77	74	10	2000	CU	88	230	2	2	240	4	3
21	08	350	15	10	BKN	29.89	77	74	10	2000	CU	88	230	2	2	240	4	3
22	09	350	12	10	BKN	29.90	77	74	10	2000	CU	88	225	2	2	235	4	3
23	10	010	16	10	BKN	29.90	77	74	4	2000	CU	88	225	2	2	235	4	3
24	11	004	10	10	BKN	29.90	80	74	6	2000	CU	88	240	2	2	245	4	3
25	12	022	13	10	BKN	29.90	79	74	5	2000	CU	88	240	2	2	245	4	3
26	13	020	11	10	BKN	29.89	80	75	5	2000	CU	88	230	2	2	235	4	3
27	14	010	10	10	BKN	29.88	80	75	6	2000	CU	88	225	2	2	230	4	3
28	15	058	10	10	BKN	29.86	80	75	5	2000	CU	88	210	2	2	210	4	3
29	16	042	11	10	BKN	29.85	80	75	6	2000	CU	88	020	2	2	020	4	2
30	17	020	10	10	BKN	29.87	80	75	6	2000	CU	88	010	2	1	010	4	3
31	18	015	10	10	BKN	29.90	80	75	6	2000	CU	88	020	2	1	020	4	3
32	19	005	10	10	BKN	29.90	80	75	6	2000	CU	88	020	2	1	050	4	2
33	20	342	10	10	BKN	29.92	81	75	6	2000	CU	88	015	2	1	025	4	2
34	21	355	10	10	BKN	29.92	81	75	6	2000	CU	87	005	2	1	035	4	2
35	22	350	10	10	BKN	29.92	82	75	6	2000	CU	87	005	2	1	030	4	2
36	23	018	12	10	BKN	29.90	85	76	4	2000	CU	87	020	2	1	030	4	2

TABLE II †
SYNOPTIC OBSERVATIONS †

PNAV FORM 3144-1 (9-64)
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DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

SS GEORGE EASTMAN YAG-39 DATE (GMT) 14 APRIL 19 67

T/PASSAGE FROM SPECIAL OPS TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	085	6	10	SCT	29.84	87	79	5	2000	CU	88	—	—	—	270	4	3
01	240	4	10	SCT	29.83	87	79	4	2000	CU	88	—	—	—	280	4	3
02	060	4	10	SCT	29.82	87	79	5	2000	CU	88	—	—	—	275	4	3
03	095	7	10	SCT	29.82	~~29.88~~	~~29.75~~	5	2000	CU	88	—	—	—	270	4	3
04	085	9	10	SCT	29.83	87	77	5	2000	CU	88	—	—	—	265	4	3
05	085	7	10	SCT	29.85	86	77	5	2000	CU	88	—	—	—	230	4	3
06	082	9	10	SCT	29.85	86	77	5	2000	CU	88	—	—	—	265	4	3
07	110	7	10	SCT	29.85	85	77	3	2000	CU	90	—	—	—	010	4	2
08	103	11	10	SCT	29.85	84	76	2	2000	CU	90	—	—	—	015	4	2
09	080	12	10	SCT	29.89	84	77	2	2000	CU	90	—	—	—	010	4	2
10	081	12	10	SCT	29.89	84	77	2	2000	CU	90	—	—	—	020	4	2
11	105	13	10	SCT	29.90	84	77	3	2000	CU	90	—	—	—	034	4	2
12	645	8	10	SCT	29.90	84	77	5	2000	CU	90	—	—	—	069	4	2
13	335	8	10	SCT	29.87	84	76	6	2000	CU	90	—	—	—	070	4	2
14	103	8	10	SCT	29.87	84	75	6	2000	CU	90	—	—	—	070	4	3
15	078	23	10	SCT	29.82	80	75	6	2000	CU	88	—	—	—	070	4	3
16	085	7	10	SCT	29.82	80	75	9	2000	CU	88	—	—	—	070	4	3
17	370	6	10	SCT	29.83	80	75	8	2000	CU	88	—	—	—	070	4	3
18	026	3	10	BKN SCT	29.87	81	76	8	2000	CU	88	070	3	1	085	4	3
19	075	4	10	BKN	29.88	80	76	9	2000	CU	88	035	2	1	050	4	2
20	105	8	10	BKN	29.90	82	76	8	2000	CU	88	050	2	1	060	4	3
21	090	10	10	BKN	29.90	82	76	9	2000	CU	88	085	2	1	090	4	3
22	065	11	5	R-	29.90	79	75	10	1500	CU	88	085	2	1	090	4	3
23	061	11	5	R	29.89	78	75	10	1500	CU	050	050	2	1	040	4	3

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SHIP WEATHER OBSERVATION SHEET

USS George Eastman YAG-39 DATE (GMT) 13 APRIL 19 6

AT/PASSAGE FROM Special Ops TO

TABLE I

	TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED Direction (True)	WINDS Force (Knots)	VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths) Dry Bulb	TEMPERATURE Wet Bulb	CLOUDS Amount (Tenths)	CLOUDS Height	CLOUDS Type	SEA WATER TEMP. (Degrees and tenths)	SEA WAVES Direction (True)	SEA WAVES Period (Seconds)	SEA WAVES Height (Feet)	Direction (True)
13	00	293	16	10	SCT	29.83	89	79	5	7000	CU	88	330	3	2	32
14	01	274	20	10	SCT	29.82	86	78	6	2000	CU	88	330	3	3	31
15	02	263	15	10	SCT	29.80	84	78	4	2000	CU	88	330	3	2	32
16	03	268	12	10	SCT	29.79	85	78	7	2000	CU	88	320	3	2	30
17	04	281	13	10	SCT	29.80	85	77	6	2000	CU	88	330	3	2	32
18	05	335	13	10	SCT	29.82	85	77	6	2000	CU	88	336	3	2	32
19	06	347	13	10	SCT	29.83	85	77	6	2000	CU	88	347	3	2	33
20	07	350	13	10	SCT	29.82	85	77	7	2000	CU	88	347	3	2	33
21	08	000	16	10	SCT	29.86	83	77	6	2000	CU	88	350	3	2	34
22	09	000	10	10	SCT	29.87	83	77	6	2000	CU	88	350	3	2	34
23	10	000	6	10	SCT	29.87	82	77	6	2000	CU	88	350	3	2	35
24	11	348	10	10	SCT	29.87	82	76	3	2000	CU	88	330	3	1	34
01	12	302	7	10	SCT	29.86	82	76	3	2000	CU	88	340	3	1	34
02	13	025	5	10	SCT	29.84	82	75	3	2000	CU	88	340	3	1	34
03	14	000	5	10	SCT	29.83	82	75	4	2000	CU	88	350	3	1	35
04	15	330	4	10	SCT	29.82	81	75	4	2000	CU	88	340	3	1	34
05	16	348	5	10	SCT	29.82	81	75	4	2000	CU	88	330	3	.5	33
06	17	019	4	10	BKN	29.83	82	76	7	2000	CU	88	320	0	0	32
07	18	010	5	10	SCT	29.86	83	75	6	2000	CU	88	—	—	—	30
08	19	035	8	10	SCT	29.88	87	75	6	2000	CU	88	—	—	—	32
09	20	036	8	10	SCT	29.88	88	75	6	2000	CU	88	—	—	—	32
10	21	019	4	10	SCT	29.90	90	79	5	2000	CU	88	—	—	—	30
11	22	095	5	10	SCT	29.90	100	87	5	2000	CU	88	—	—	—	30
12	23	110	6	10	SCT	29.86	87	79	6	2000	CU	88	—	—	—	27

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SHIP WEATHER OBSERVATION SHEET

USS GEORGE EASTMAN (YAG 39) DATE (GMT) APRIL 7 19 67

AT/PASSAGE FROM SPECIAL OP. TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	050	12	10	BKN	29.80	81	77	8	2000	CU	88	050	2	2	055	4	3
01	030	13	10	BKN	29.78	81	77	8	2000	CU	88	040	2	2	050	4	3
02	030	13	10	BKN	29.75	81	77	8	2000	CU	88	040	2	2	050	4	3
03	018	14	10	BKN	29.74	80	77	10	2000	CU	88	040	2	2	045	4	3
04	018	16	10	BKN	29.74	80	77	10	2000	CU	88	030	2	2	045	4	3
05	005	11	10	BKN	29.78	80	76	10	2000	CU	88	045	2	2	060	4	3
06	005	12	10	BKN	29.78	80	75	8	2000	CU	88	040	2	2	050	4	3
07	032	10	8	OVC	29.82	80	78	9	2000	CU	88	050	2	2	055	4	3
08	203	10	8	OVC	29.84	80	78	9	2000	CU	88	055	2	3	060	4	4
09	265	10	8	OVC	29.85	80	78	9	2000	CU	88	060	2	2	060	4	4
10	084	09	10	BKN	29.84	80	76	8	2000	CU	88	060	2	2	060	4	3
11	079	11	10	OVC	29.83	81	77	9	2000	CU	88	065	2	2	065	4	3
12	094	13	10	OVC	29.80	81	77	9	2000	CU	88	070	2	2	070	4	3
13	078	8	10	OVC	29.79	81	77	9	2000	CU	88	065	2	2	065	4	3
14	070	11	10	SCT	29.77	80	77	6	2000	CU	88	080	2	2	080	4	3
15	075	8	10	SCT	29.80	80	77	6	2000	CU	88	080	2	2	090	4	3
16	140	6	10	SCT	29.80	80	77	6	2000	CU	88	080	2	2	080	4	3
17	140	6	10	SCT	29.80	80	77	6	2000	CU	88	140	2	1	080	4	3
18	063	8	10	SCT	29.83	81	78	7	2000	CU	88	140	2	1	160	4	3
19	040	8	10	SCT	29.86	84	78	7	2000	CU	88	140	2	1	160	4	3
20	059	18	10	BKN	29.86	85	80	9	2000	CU	88	070	2	1	090	4	3
21	048	15	10	BKN	29.85	85	80	8	2000	CU	88	070	2	1	090	4	3
22	055	15	10	BKN	29.84	85	80	7	2000	CU	88	070	2	1	090	4	3
23	061	14	10	BKN	29.83	84	77	7	2000	CU	88	075	2	3	065	4	4

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AT/PASSAGE FROM SPECIAL OPS TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	060	12	10	SCT	29.72	88	78	7	2000	CU	86	040	3	2	050	3	4
01	060	12	10	SCT	29.70	88	78	7	2000	CU	86	040	3	2	050	3	4
02	064	13	10	SCT	29.70	86	77	4	2000	CU	88	075	3	2	080	3	3
03	053	17	10	SCT	29.71	88	79	4	2000	CU	88	070	3	3	075	4	4
04	064	17	10	SCT	29.72	90	79	4	2000	CU	88	055	3	3	050	4	4
05	064	14	10	SCT	29.73	86	78	6	2000	CU	88	060	3	3	050	4	4
06	055	16	10	SCT	29.74	84	74	3	2000	CU	88	050	3	3	070	4	4
07	055	18	10	SCT	29.78	84	78	3	2000	CU	88	070	3	3	070	4	4
08	055	8	10	SCT	29.80	84	78	3	2000	CU	88	070	3	3	070	4	3
09	055	8	10	SCT	29.80	84	78	3	2000	CU	88	070	3	3	070	4	3
10	050	8	10	SCT	29.80	84	77	3	2000	CU	88	070	3	3	070	4	3
11	055	8	10	SCT	29.79	84	77	4	2000	CU	88	070	3	2	075	4	3
12	065	12	10	SCT	29.78	83	77	7	2000	CU	88	070	3	2	075	4	3
13	065	10	10	SCT	29.76	83	77	6	2000	CU	88	070	3	2	075	4	3
14	060	8	10	SCT	29.75	83	77	4	2000	CU	88	070	3	2	075	4	3
15	040	14	10	SCT	29.75	81	78	5	2000	CU	86	075	3	2	080	4	3
16	042	15	10	SCT	29.76	81	78	5	2000	CU	86	065	3	2	075	4	3
17	064	15	10	SCT	29.76	81	79	6	2000	CU	86	055	2	2	060	3	3
18	040	17	10	SCT	29.78	81	78	8	2000	CU	88	055	2	2	045	3	3
19	048	14	10	OVC	29.82	80	80	10	2000	CU	88	060	2	2	055	3	3
20	060	15	10	OVC	29.83	84	79	10	2000	CU	88	050	2	2	060	3	3
21	064	9	10	OVC	29.83	85	79	9	2000	CU	88	055	2	2	060	3	3
22	054	11	10	OVC	29.82	84	78	10	2000	CU	88	050	2	2	060	3	3
23	051	12	10	OVC	29.80	84	78	10	2000	CU	88	050	2	2	070	3	3

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USS George Eastman YAG-39 DATE (GMT) April 6 19 67

AT/PASSAGE FROM Special Ops TO

TABLE I

	TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
		Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
14	00	063	14	10	SCT	29.75	89	79	5	2000	cu	86	065	3	2	050	4	4
15	01	052	13	10	Rain	29.74	89	81	6	2000	cu	86	055	3	2	090	4	4
16	02	059	14	10	SCT	29.73	89	81	6	2000	CU	86	059	3	2	095	4	4
17	03	070	10	10	SCT	29.74	85	78	6	2000	CU	86	070	3	2	090	4	3
18	04	070	10	10	SCT	29.74	85	78	6	2000	CU	86	070	3	2	090	4	3
19	05	055	8	10	SCT	29.75	80	75	8	2000	CU	86	055	3	2	070	4	3
20	06	324	21	10	SCT	29.76	82	77	6	2000	CU	88	300	3	2	324	4	3
21	07	065	18	10	SCT	29.77	82	77	4	2000	CU	88	050	3	2	100	4	3
22	08	064	18	10	SCT	29.79	82	77	4	2000	CU	88	060	3	2	090	4	3
23	09	064	19	10	SCT	29.80	80	75	5	2000	CU	88	075	3	2	055	4	3
24	10	065	19	10	SCT	29.79	81	76	4	2000	CU	87	075	3	2	080	4	3
01	11	067	18	10	SCT	29.79	80	76	3	2000	CU	87	075	3	2	080	4	3
02	12	065	15	10	SCT	29.76	80	75	3	2000	CU	87	085	3	2	090	4	3
03	13	065	17	10	SCT	29.74	81	76	3	2000	CU	87	080	3	2	085	4	3
04	14	065	15	10	SCT	29.73	81	76	3	2000	CU	87	075	3	2	075	4	3
05	15	068	15	10	SCT	29.74	80	76	4	2000	CU	85	065	3	2	065	4	3
06	16	065	13	10	SCT	29.74	81	76	3	2000	CU	85	070	3	2	070	4	3
07	17	060	10	10	SCT	29.76	83	76	3	2000	CU	85	070	3	2	070	4	3
08	18	060	10	10	SCT	29.78	85	77	4	2000	CU	86	070	3	2	070	4	3
09	19	060	10	10	SCT	29.80	85	77	4	2000	CU	86	070	3	2	070	4	3
10	20	055	10	10	SCT	29.80	85	77	5	2000	CU	86	070	3	2	070	4	3
11	21	055	10	10	SCT	29.80	85	77	5	2000	CU	86	070	3	2	070	4	3
12	22	062	13	10	SCT	29.76	82	79	4	2000	CU	86	045	3	2	050	4	4
13	23	062	13	10	SCT	29.75	82	79	5	2000	CU	86	045	3	2	054	4	4

TABLE II

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USS GEORGE EASTMAN YAG-39 DATE (GMT) APRIL 4 19 67

AT/PASSAGE FROM SPECIAL OPS TO

TABLE I

	TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
		Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
14	00	060	12	10	BKN	29.77	80	74	9	2000	CU	85	080	3	1	090	4	2
15	01	065	13	10	SCT	29.74	80	74	1X	100	CU	85	075	3	1	085	4	2
16	02	[illegible]	[illegible]	[illegible]	BKN	[illegible]72	84	78	7	2000	CU	86	085	3	1	085	4	2
17	03	073	16	10	SCT	29.72	80	75	4	2000	CU	86	090	3	1	095	4	3
18	04	087	13	10	SCT	29.74	80	76	5	2000	CU	86	100	3	2	095	4	4
19	05	052	14	10	SCT	29.75	80	76	4	2000	CU	86	100	3	2	095	4	3
20	06	078	12	10	SCT	29.77	79	76	3	2000	CU	86	080	3	2	080	4	3
21	07	058	11	10	SCT	29.79	79	76	2	2000	CU	86	085	3	2	085	4	3
22	08	049	8	10	SCT	29.80	79	75	3	2000	CU	86	090	3	2	090	4	3
23	09	109	10	10	SCT	29.80	80	76	3	2000	CU	84	080	3	2	080	4	3
00	10	070	12	10	SCT	29.80	80	76	3	2000	CU	85	080	3	2	090	4	3
01	11	070	12	10	BKN	29.78	80	76	5	2000	CU	85	075	3	2	085	4	3
02	12	090	12	10	BKN	29.74	80	76	6	2000	CU	85	075	3	2	085	4	3
03	13	070	12	10	BKN	29.76	79	74	6	2000	CU	85	075	3	2	085	4	3
04	14	025	13	10	SCT	29.75	77	75	4	2000	CU	85	045	3	1	050	4	2
05	15	050	14	10	SCT	29.76	77	75	4	2000	CU	85	045	3	1	050	4	2
06	16	065	15	10	SCT	29.76	77	75	3	2000	CU	85	060	3	1	070	4	2
07	17	061	13	10	SCT	29.79	79	76	4	2000	CU	87	070	3	1	065	4	3
08	18	056	13	10	SCT	29.81	80	76	4	2000	CU	87	075	3	1	080	4	3
09	19	041	13	10	SCT	29.84	81	77	5	2000	CU	87	085	3	2	090	4	4
10	20	040	10	10	SCT	29.83	85	79	3	2000	CU	87	080	3	2	085	4	4
11	21	056	15	10	SCT	29.82	87	79	4	2000	CU	86	090	3	2	090	4	4
12	22	064	13	10	SCT	29.79	84	79	7	2000	CU	86	060	3	2	060	4	4
13	23	065	15	10	SCT	29.78	88	80	8	2000	CU	[illegible]	060	3	2	085	4	4

TABLE II

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DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS George Eastman YAG-39 DATE (GMT) April 3 19 67

AT/PASSAGE FROM Special Ops TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	049	11	10	BKN	29.76	84	77	8	2000	cu	85	045	4	1	060	4	2
01	061	13	10	SCT	29.75	82	76	7	2000	cu	85	090	4	1	095	4	2
02	510	13	10	SCT	29.75	82	76	7	2000	cu	85	510	4	1	550	4	2
03	110	8	10	SCT	29.76	82	76	7	2000	cu	85	110	4	1	100	4	2
04	080	8	10	SCT	29.78	82	76	7	2000	cu	85	080	4	1	100	4	2
05	110	9	10	SCT	29.78	80	75	7	2000	cu	85	110	4	1	120	4	2
06	092	14	10	SCT	29.80	80	76	4	2000	cu	86	090	4	1	100	4	2
07	095	14	10	SCT	29.81	80	76	4	2000	cu	86	090	4	1	100	4	2
08	045	8	10	SCT	29.82	80	76	4	2000	cu	86	075	4	1	095	4	2
09	060	8	10	SCT	29.80	80	75	2	2000	cu	86	075	4	1	095	4	2
10	060	13	10	SCT	29.80	80	76	5	2000	cu	86	060	4	1	060	4	3
11	057	12	10	SCT	29.79	79	76	6	2000	cu	86	065	4	1	070	4	3
12	078	13	10	SCT	29.78	79	75	5	2000	cu	86	085	4	1	090	4	3
13	108	7	10	SCT	29.76	79	75	4	2000	cu	86	080	4	1	085	4	2
14	060	12	10	BKN	29.76	79	75	8	2000	cu	85	090	4	1	090	4	2
15	075	11	10	BKN	29.77	79	75	7	2000	cu	85	100	4	1	100	4	2
16	050	12	10	BKN	29.75	79	75	7	2000	cu	86	090	4	1	120	4	2
17	075	7	10	BKN	29.80	79	75	7	2000	CU	85	090	4	1	120	4	2
18	100	10	10	BKN	29.82	80	76	8	2000	cu	85	100	4	1	110	4	2
19	095	10	10	BKN	29.83	80	74	8	2000	CU	85	125	4	1	100	4	2
20	090	10	10	BKN	29.84	80	74	8	2000	cu	85	085	4	1	145	4	2
21	080	10	10	BKN	29.82	80	74	8	2000	CU	85	085	4	1	100	4	2
22	090	11	10	BKN	29.78	80	74	9	2000	cu	85	070	3	1	080	4	2
23	063	12	10	BKN	29.77	80	74	9	2000	cu	85	060	3	1	080	4	2

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SHIP WEATHER OBSERVATION SHEET

USS George EASTMAN YNG-39 DATE (GMT) APRIL 2. 19 67

AT/PASSAGE FROM Special Ops TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	075	16	10	SCT	29.78	81	75	4	2000	CU	84	075	4	1	080	4	2
01	070	16	10	SCT	29.75	81	75	4	2000	CU	84	075	4	1	085	4	2
02	055	16	10	SCT	29.76	82	75	3	2000	CU	84	030	4	1	010	4	2
03	020	18	10	SCT	29.76	81	75	7	2000	CU	84	040	4	1	020	4	2
04	039	20	10	BKN	29.77	80	75	9	2000	CU	84	080	4	1	080	4	3
05	028	18	10	BKN	29.79	79	75	9	2000	CU	84	060	4	1	060	4	3
06	028	16	10	SCT	29.80	80	75	5	2000	CU	84	060	4	1	060	4	3
07	041	16	10	SCT	29.81	79	74	4	2000	CU	85	065	4	1	065	4	3
08	040	15	10	SCT	29.81	80	75	5	2000	CU	85	055	4	1	060	4	3
09	033	15	10	SCT	29.80	79	75	4	2000	CU	85	020	4	1	020	4	3
10	033	14	10	SCT	29.80	79	75	4	2000	CU	85	070	4	1	070	4	3
11	010	14	10	SCT	29.80	79	75	4	2000	CU	84	010	4	1	050	4	3
12	035	14	10	BKN	29.78	77	75	7	2000	CU	84	035	4	1	059	4	3
13	055	14	10	SCT	29.76	79	75	5	2000	CU	84	035	4	1	031	4	3
14	038	16	10	BKN	29.75	77	74	10	2000	CU	84	050	4	1	065	4	3
15	055	16	10	BKN	29.76	77	74	9	2000	CU	84	040	4	1	055	4	3
16	035	16	10	BKN	29.78	77	74	9	2000	CU	84	045	4	1	040	4	3
17	035	16	10	BKN	29.81	78	75	9	2000	CU	84	020	4	1	034	4	4
18	332	13	10	BKN	29.83	81	76	7	2000	CU	85	080	3	1	050	4	4
19	072	13	10	BKN	29.84	82	75	6	2000	CU	85	090	3	2	095	4	5
20	086	14	10	SCT	29.85	84	78	4	2000	CU	85	085	3	2	090	4	4
21	071	13	10	SCT	29.54	84	78	4	2000	CU	85	050	3	2	085	4	4
22	067	9	10	SCT	29.81	85	78	2	2000	CU	85	110	3	2	130	4	2
23	065	15	10	SCT	29.79	85	78	7	2000	CU	86	085	3	2	090	4	3

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SHIP WEATHER OBSERVATION SHEET

USS GEORGE EASTMAN YNG-39 DATE (GMT) 1 APRIL 19 67

AT/PASSAGE FROM _____ TO _____

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	074	18	10	SCT	29.74	82	75	4	2000	CU	84	065	3	3	070	4	4
01	072	17	10	SCT	29.72	81	75	4	2000	CU	84	085	3	3	090	4	4
02	090	24	10	SCT	29.72	80	74	5	2000	CU	84	080	3	3	070	4	4
03	086	15	10	SCT	29.72	81	75	6	2000	CU	84	110	3	3	100	4	4
04	055	21	10	SCT	29.74	80	74	4	2000	CU	84	090	3	2	080	3	4
05	077	18	10	CLR	29.77	79	73	1	2000	CU	84	060	3	2	060	3	4
06	091	19	10	SCT	29.80	79	75	1	2000	CU	84	090	3	2	090	3	4
07	090	20	10	SCT	29.81	77	75	1	2000	CU	84	080	3	2	080	3	3
08	095	17	10	SCT	29.82	79	75	3	2000	CU	84	085	3	2	085	3	3
09	085	19	10	CLR	29.82	79	75	3	2000	CU	84	088	3	2	080	3	3
10	095	16	10	SCT	29.84	78	74	6	2000	CU	84	090	3	2	090	3	3
11	090	18	10	SCT	29.80	78	74	5	2000	CU	84	090	3	2	090	3	3
12	090	15	10	CLR	29.78	78	74	8	2000	CU	84	085	3	2	085	3	3
13	095	15	10	CLR	29.76	78	74	9	2000	CU	84	090	3	2	090	3	3
14	086	13	10	SCT	29.76	78	75	4	2000	CU	84	080	3	2	085	3	3
15	090	13	10	SCT	29.76	78	75	2	2000	CU	84	090	3	1	090	3	3
16	090	17	10	SCT	29.80	78	75	4	2000	CU	84	090	3	1	090	4	3
17	048	13	10	SCT	29.79	78	74	3	2000	CU	85	040	3	1	040	4	3
18	046	17	10	SCT	29.81	79	74	3	2000	CU	85	050	3	1	045	4	3
19	045	20	10	SCT	29.82	80	75	3	2000	CU	85	045	3	1	040	4	2
20	314	14	10	SCT	29.81	80	74	6	2000	CU	84	035	3	1	030	4	2
21	051	17	10	SCT	29.80	81	74	3	2000	CU	84	030	3	1	050	4	2
22	050	17	10	SCT	29.80	81	74	5	2000	CU	84	030	3	1	045	4	2
23	035	14	10	SCT	29.79	81	74	5	2000	CU	84	035	3	1	035	4	2

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SHIP WEATHER OBSERVATION SHEET

USS George Eastman YAG-39 DATE (GMT) 31 March 19 67

AT/PASSAGE FROM Special Ops TO

TABLE I

	TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
		Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
1	00	105	20	10	SCT	29.78	81	25	4	2000	CU	84	105	4	3	120	4	5-6
5	01	060	20	10	SCT	29.72	81	75	4	2000	CU	84	060	4	3	070	4	5-6
6	02	070	15	10	SCT	29.70	83	75	3	2000	CU	84	015	4	1	020	4	3
7	03	070	20	10	SCT	29.72	83	75	4	2000	CU	84	015	4	1	020	4	3
18	04	050	14	10	SCT	29.76	83	75	1	2000	CU	84	020	3	1	025	3	3
19	05	030	18	10	SCT	29.77	80	75	6	2000	CU	84	020	3	1	025	3	3
20	06	086	20	10	SCT	29.77	79	75	4	2000	CU	84	030	3	1	035	3	3
21	07	050	18	10	SCT	29.80	79	74	3	2000	CU	84	~~060~~ 060	3	1	005 ~~105~~	3	3
22	08	081	17	10	SCT	29.81	78	74	3	2000	CU	84	070	3	1	070	3	3
23	09	060	20	10	SCT	29.81	78	74	3	2000	CU	84	090	3	1	090	3	3
24	10	040	21	10	SCT	29.79	78	74	2	2000	CU	84	060	3	1	060	3	3
1	11	054	23	10	CIR	29.78	78	74	1	2000	CU	84	135	3	1	135	3	3
2	12	075	26	10	CIR	29.76	78	74	1	2000	CU	84	090	3	1	090	3	3
3	13	058	27	10	CIR	29.75	78	74	1	2000	CU	84	090	3	1	090	3	3
4	14	050	28	10	SCT	29.73	78	74	2	2000	CU	84	060	3	1	080	2	3
5	15	045	30	10	SCT	29.74	78	74	2	2000	CU	84	045	3	1	039	2	3
6	16	310	28	10	SCT	29.74	78	74	4	2000	CU	84	310	3	1	300	2	3
7	17	088	23	10	SCT	29.77	78	74	4	2000	CU	84	040	3	1	040	2	3
8	18	009	18	10	SCT	29.79	81	75	6	2000	CU	84	080	3	1	110	2	3
9	19	048	19	10	SCT	29.81	80	75	8	2000	CU	84	100	3	1	105	2	3
10	20	063	20	10	SCT	29.80	80	74	5	2000	CU	84	095	3	1	100	2	3
11	21	046	16	10	SCT	29.80	80	74	6	2000	CU	84	055	3	1	040	2	3
12	22	021	21	10	SCT	29.78	53	75	4	2000	CU	84	070	3	1	070	2	3
13	23	076	19	10	SCT	29.75	83	76	3	2000	CU	84	045	2	3	050	3	4

TABLE II

OPNAV FORM 3144-1 (9-64)
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DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS George Eastman yag-39 DATE (GMT) March 30 19 67

AT/PASSAGE FROM Special ops TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	ØSS	17	10	BKN	29.72	80	76	9	2000	CU	84	Ø3Ø	3	2	ØYØ	3	6
01	045	17	10	SCT	29.71	80	76	6	2000	CU	84	065	3	3	060	3	5
02	034	17	10	SCT	29.70	80	76	3	2000	CU	84	095	3	3	085	4	6
03	041	16	10	SCT	29.70	79	76	6	2000	CU	84	090	3	3	080	4	6
04	041	16	10	SCT	29.71	78	75	7	2000	CU	84	085	3	3	090	4	6
05	045	16	10	OVC	29.73	78	75	10	2000	CU	84	090	3	3	080	4	5
06	095	14	10	SCT	29.76	78	75	3	2000	CU	84	095	3	3	080	4	4
07	095	14	10	SCT	29.78	78	74	4	2000	CU	84	095	3	3	080	4	4
08	090	14	10	SCT	29.78	78	74	5	2000	CU	84	090	3	3	079	4	4
09	075	15	10	SCT	29.80	78	74	5	2000	CU	84	075	3	3	077	4	4
10	065	17	10	SCT	29.76	78	74	5	2000	CU	84	065	3	3	079	4	4
11	Ø35	21	10	SCT	29.74	78	76	7	2000	CU	84	Ø65	4	3	Ø7Ø	4	4
12	Ø4Ø	18	10	SCT	29.72	78	75	9	1000	CU	84	Ø7Ø	4	3	ØSØ	4	4
13	036	17	10	OVC SCT	29.72	77	75	10	2000	CU	84	075	4	3	080	4	4
14	035	18	10	OVC	29.72	78	75	10	2000	CU	34	075	4	3	030	4	4
15	031	19	10	BKN OVC	29.71	78	74	8	2000	CU	84	085	4	3	090	4	4,
16	025	21	10	BKN	29.72	78	74	8	2100	CU	84	085	4	3	090	4	5
17	015	25	10	SCT	29.73	79	74	5	2000	CU	84	090	4	3	060	4	6
18	025	24	10	SCT	29.74	79	74	3	2000	CU	87	085	4	3	080	4	6
19	032	26	10	SCT	29.76	80	74	4	2000	CU	84	075	4	3	080	4	6
20	Ø9Ø	20	10	SCT	29.78	80	74	7	2000	CU	84	Ø9Ø	4	3	095	4	6
21	034	19	10	SCT	29.78	81	75	5	2000	CU	84	095	4	3	085	4	6
22	05Ø	19	10	SCT	29.78	81	75	5	2000	CU	84	05Ø	4	3	075	4	5-6
23	075	20	10	SCT	29.76	81	75	5	2000	CU	84	Ø75	4	3	087	4	5-6

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SHIP WEATHER OBSERVATION SHEET

USS George Eastman YAG-39 DATE (GMT) 29 MARCH 19 67

AT/PASSAGE FROM Special ops TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	063	13	10	SCT	29.76	81	75	6	2000	cu	84	110	2	2	100	3	4
01	035	16	10	SCT	29.74	81	75	5	2000	cu	84	110	2	2	100	3	4
02	055	16	10	SCT	29.75	81	75	5	2000	CU	84	110	2	2	106	3	4
03	115	17	10	SCT	29.75	81	75	5	2000	CU	84	115	2	2	105	3	4
04	055	16	10	SCT	29.74	80	75	4	2000	cu	84	115	2	2	110	3	4
05	110	17	10	SCT	29.78	79	74	4	2000	CU	84	110	2	2	105	3	4
06	110	17	10	SCT	29.78	79	74	4	2000	CU	84	115	2	2	110	3	5
07	060	23	10	SCT	29.78	78	74	3	2000	CU	83	050	3	2	045	3	5
08	060	23	10	SCT	29.80	78	74	6	2000	CU	83	050	3	2	040	3	5
09	060	23	10	SCT	29.80	78	74	9	2000	CU	83	050	3	2	040	3	5
10	038	20	10	~~SCT~~ OVC	29.80	78	75	10	2000	CU	84	070	3	2	065	3	3
11	037	17	10	OVC	29.78	77	75	8	2000	CU	84	085	3	2	080	3	3
12	035	17	10	OVC	29.76	75	75	10	2000	CU	84	080	3	1	080	3	2
13	033	20	10	OVC	29.74	78	75	9	2000	CU	84	085	3	1	085	3	2
14	034	22	10	OVC	29.73	77	74	10	2000	CU	84	090	3	1	090	3	2
15	032	21	10	SCT	29.72	78	74	7	2000	CU	84	090	3	1	090	3	2
16	031	19	10	OVC	29.73	78	75	9	2000	CU	84	085	3	1	085	3	2
17	100	17	10	BKN	29.76	79	75	8	2000	CU	84	100	3	1	110	3	2
18	100	17	10	BKN	29.78	80	76	7	2000	CU	84	100	3	1	110	3	2
19	080	16	10	BKN	29.80	80	76	7	2000	CU	84	080	3	1	110	3	2
20	070	13	10	BKN	29.80	80	76	7	2000	CU	84	080	3	1	120	3	3
21	085	14	10	BKN	29.80	80	76	7	2000	CU	84	085	3	1	113	3	3
22	010	29	10	BKN	29.76	80	76	7	2000	CU	84	085	3	1	100	3	4
23	055	19	10	BKN	29.75	80	76	5	2000	CU	84	085	3	1	090	3	4

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS GEORGE EASTMAN YAG-39 DATE (GMT) 28 MARCH 19 67

AT/PASSAGE FROM SPECIAL OPS TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	ϕ4ϕ	10	10	SCT	29.80	86	74	4	2000	CU	83	21ϕ	2	1	22ϕ	3	2
01	ϕϕ5	21	10	SCT	29.79	86	74	6	2000	CU	83	21ϕ	2	1	22ϕ	3	2
02	015	15	10	SCT	29.78	83	76	3	2000	CU	83	060	2	.5	045	3	1
03	045	16	10	SCT	29.79	80	75	4	2000	CU	84	050	2	1	060	3	3
04	016	13	10	SCT	29.80	80	75	4	2000	CU	84	085	2	1	090	3	3
05	035	13	10	SCT	29.80	78	74	3	2000	CU	84	045	2	1	035	3	4
06	080	14	10	SCT	29.80	77	73	4	2000	CU	83	055	2	1	055	3	2
07	278	13	10	SCT	29.82	77	73	2	2000	CU	83	025	2	1	025	3	2
08	055	12	10	SCT	29.83	77	73	4	2000	CU	83	070	2	1	030	3	2
09	070	13	10	SCT	29.85	77	73	3	2000	CU	83	045	2	1	045	3	2
10	020	14	10	SCT	29.86	77	73	4	2000	CU	83	070	2	1	050	3	2
11	045	16	10	BKN	29.84	77	73	7	2000	CU	83	045	2	1	035	3	2
12	050	16	10	BKN	29.82	77	73	7	2000	CU	83	050	2	1	040	3	2
13	020	14	10	SCT	29.80	77	73	3	2000	CU	83	020	2	1	015	3	2
14	000	20	10	SCT	29.78	76	73	1	2000	CU	84	000	2	1	030	3	2
15	255	19	10	SCT	29.78	77	73	1	2000	CU	84	020	2	1	050	3	2
16	270	19	10	SCT	29.78	77	73	1	2000	CU	84	010	2	1	045	3	2
17	060	16	10	SCT	29.82	77	73	3	2000	CU	83	035	2	1	040	3	3
18	053	17	10	SCT	29.84	78	73	4	2000	CU	83	040	2	1	040	3	3
19	047	19	10	SCT	29.85	79	75	4	2000	CU	84	105	2	2	095	3	4
20	045	20	10	SCT	29.86	80	74	3	2000	CU	84	090	2	2	085	3	4
21	045	19	10	SCT	29.85	81	75	3	2000	CU	84	095	2	2	085	3	4
22	050	14	10	SCT	29.83	80	74	5	2000	CU	84	105	2	2	095	3	4
23	051	15	10	SCT	29.80	81	75	2	2000	CU	84	100	2	2	090	3	4

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS George Eastman XAG-39 DATE (GMT) March 27 19 67

AT/PASSAGE FROM Special Ops TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	095	18	10	SCT	29.82	80	76	4	2000	CU	86	120	2	1	115	3	2
01	095	15	10	SCT	29.80	82	75	3	2000	CU	86	095	2	1	105	3	2
02	086	12	10	SCT	29.80	80	75	6	2000	CU	86	087	2	1	150	3	2
03	086	12	10	SCT	29.79	81	75	6	2000	CU	86	086	2	1	150	3	2
04	068	15	10	SCT	29.79	82	73	4	2000	CU	86	100	2	1	120	3	2
05	090	15	10	SCT	29.80	79	73	4	2000	CU	86	100	2	1	120	3	2
06	120	23	10	SCT	29.82	78	74	2	1000	CU	83	110	2	1	150	3	2
07	100	23	10	SCT	29.82	78	74	2	2000	CU	83	115	2	1	135	3	2
08	085	14	10	SCT	29.85	78	74	2	2000	CU	83	110	2	1	174	3	2
09	085	14	10	SCT	29.86	78	77	2	2000	CU	83	110	2	1	120	3	2
10	062	17	10	SCT	29.86	78	75	5	2000	CU	83	120	2	1	125	3	2
11	070	16	10	SCT	29.85	77	74	4	2000	CU	83	100	2	1	125	3	2
12	070	15	10	SCT	29.83	77	74	3	2000	CU	84	070	2	1	075	3	2
13	055	17	10	SCT	29.81	77	73	4	2000	CU	84	080	2	1	090	3	2
14	070	14	10	SCT	29.79	76	73	1	2000	CU	84	060	2	1	060	3	2
15	061	12	10	SCT	29.79	76	73	4	2000	CU	84	070	2	1	070	3	2
16	002	12	10	SCT	29.80	76	73	6	2000	CU	84	070	2	1	070	3	2
17	095	15	10	SCT	29.84	77	73	6	2000	CU	84	078	2	1	034	3	2
18	085	13	10	SCT	29.86	80	74	6	2000	CU	84	095	2	1	035	3	2
19																	
20																	
21	095	10	10	SCT	29.87	80	75	6	2000	CU	84	085	2	1	030	3	2
22	025	20	10	SCT	29.85	81	75	4	1000	CU	84	120	2	1	134	3	2
23	070	12	10	SCT	29.83	82	75	5	2000	CU	84	120	2	1	130	3	2

TABLE II
SYNOPTIC OBSERVATIONS

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS George EAST Mar XAG-77 DATE (GMT) 26 MARCH 19 67

AT/PASSAGE FROM Special Ops TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	120	17	10	SCT	29.84	81	74	2	2000	CU	83	120	2	1	110	3	2
01	120	17	10	SCT	29.82	81	74	2	2000	CU	83	120	2	1	110	3	2
02	355	18	10	BKN	29.82	80	74	9	2000	CU	83	120	3	1	130	3	2
03	085	16	10	BKN	29.80	80	74	10	2000	CU	83	120	3	1	130	3	2
04	087	18	10	BKN	29.81	79	75	8	2000	CU	84	110	3	2	115	3	3
05	083	22	10	BKN	29.83	77	72	7	2000	CU	80	120	3	2	120	3	3
06	090	21	10	BKN	29.84	77	72	8	2000	CU	86	100	3	2	110	3	3
07	083	24	10	BKN	29.85	78	74	10	2000	CU	86	090	3	2	095	3	3
08	083	23	10	SCT	29.86	78	73	6	2000	CU	85	090	3	2	095	3	3
09	090	20	10	BKN	29.83	78	73	8	2000	CU	85	090	3	2	095	3	3
10	125	16	10	SCT	29.89	78	73	4	2000	CU	85	125	3	2	100	3	3
11	080	19	10	SCT	29.87	78	76	8	2000	CU	85	080	3	2	085	3	3
12	090	19	10	SCT	29.86	78	73	6	2000	CU	85	090	3	2	095	3	3
13	095	15	10	SCT	29.86	77	73	6	2000	CU	86	095	3	2	100	3	3
14	070	18	10	SCT	29.83	76	73	1	1000	CU	83	110	3	1	110	3	2
15	085	18	10	SCT	29.82	76	73	1	2000	CU	83	110	3	1	120	3	2
16	085	21	10	SCT	29.84	77	73	1	2000	CU	83	115	3	1	125	3	2
17	360	15	10	SCT	29.85	77	73	6	2000	CU	83	115	3	1	110	3	3
18	090	17	10	SCT	29.83	77	74	3	2000	CU	83	080	3	2	085	4	4
19	085	16	10	SCT	29.89	78	73	3	2000	CU	83	090	3	2	095	4	4
20	083	19	10	SCT	29.90	79	74	3	2000	CU	83	085	3	2	095	4	4
21	094	15	10	SCT	29.89	80	74	3	2000	CU	83	035	2	.5	025	3	2
22	171	20	10	SCT	29.89	79	74	3	2000	CU	83	115	2	.5	120	3	2
23	115	19	10	SCT	29.85	82	73	3	2000	CU	86	130	2	.5	120	3	2

TABLE II

OPNAV FORM 3144-1 (9-64)
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DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS GEORGE EASTMAN YYG39 DATE (GMT) 25 MARCH 19 67

AT/PASSAGE FROM _____ TO _____

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	135	13	10	SCT	29.81	79	74	6	5000	CU	80	135	2	.5	150	3	1
01	095	15	10	SCT	29.80	79	74	6	5000	CU	80	095	2	.5	100	3	1
02	080	10	10	SCT	29.79	81	74	4	2000	CU	80	095	2	1	100	3	1
03	080	10	10	SCT	29.79	81	74	3	2000	CU	80	083	2	.5	105	3	1
04	075	10	10	SCT	29.81	78	73	3	2000	CU	80	090	2	.5	100	3	1
05	110	12	10	SCT	29.84	78	74	3	2000	CU	79	100	2	.5	105	3	1
06	095	15	10	SCT	29.84	78	74	6	5000	CU	78	110	2	.5	115	3	1
07	045	13	10	SCT	29.86	77	73	4	1500	CU	78	120	2	.5	120	3	1
08	085	14	10	SCT	29.89	77	73	2	2000	CU	79	115	2	.5	120	3	1
09	105	14	10	SCT	29.90	77	73	5	2000	CU	79	115	2	.5	120	3	1
10	124	12	10	SCT	29.88	76	72	4	2000	CU	79	115	2	.5	120	3	1
11	131	12	10	SCT	29.87	76	72	3	2000	CU	79	115	2	.5	120	3	1
12	113	12	10	SCT	29.85	75	72	3	2000	CU	79	115	2	.5	120	3	1
13	120	13	10	SCT	29.85	75	71	3	2000	CU	79	115	2	.5	120	3	1
14	110	14	10	SCT	29.84	75	72	2	2000	CU	79	115	2	.5	110	3	1
15	115	17	10	SCT	29.84	75	72	4	2000	CU	79	115	2	.5	110	3	1
16	120	15	10	SCT	29.85	75	72	4	2000	CU	79	115	2	.5	110	3	1
17	130	12	10	SCT	29.85	75	72	3	2000	CU	78	145	2	.5	120	3	1
18	134	13	10	SCT	29.88	74	74	3	2000	CU	78	125	2	.5	120	3	1
19	115	14	10	SCT	29.90	79	74	6	2000	CU	78	115	2	.5	120	3	1
20	125	14	10	SCT	29.91	80	74	5	2000	CU	78	117	2	.5	120	3	1
21	093	13	10	SCT	29.90	81	74	5	2000	CU	78	110	2	.5	115	3	1
22	160	14	10	SCT	29.90	81	74	5	2000	CU	83	160	2	.5	130	3	1
23	130	17	10	SCT	29.86	80	74	5	2000	CU	83	130	2	.1	110	3	2

TABLE II

OPNAV FORM 3144-1 (9-64)
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DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS George Fast [illegible] DATE (GMT) 24 March 19 67

AT/PASSAGE FROM Special Ops TO

TABLE I

	TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED Direction (True)	Force (Knots)	VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths) Dry Bulb	Wet Bulb	CLOUDS Amount (Tenths)	Height	Type	SEA WATER TEMP. (Degrees and tenths)	SEA WAVES Direction (True)	Period (Seconds)	Height (Feet)	SWELL WAVES Direction (True)	Period (Seconds)	Height (Feet)
14	00	085	17	10	SCT	29.81	84	79	4	2000	CU	79	120	2	2	130	4	2
15	01	085	19	10	SCT	29.79	84	76	4	2000	CU	79	120	2	2	125	4	2
16	02	087	19	10	SCT	29.79	80	73	2	2000	CU	79	120	2	2	125	4	2
17	03	085	19	10	SCT	29.78	80	72	2	2000	CU	79	120	2	2	125	4	2
18	04	102	18	10	SCT	29.80	78	71	3	2000	CU	79	120	2	2	125	4	2
19	05	115	19	10	SCT	29.80	77	72	5	2000	CU	79	124	2	2	125	2	3
20	06	090	22	10	SCT	29.81	78	73	6	2000	CU	79	125	2	.5	125	2	1
21	07	105	20	10	SCT	29.84	77	72	5	2000	CU	79	125	2	.5	125	2	1
22	08	110	16	10	CIR	29.85	78	74	0	2000	CU	79	120	2	.5	120	2	1
23	09	075	18	10	SCT	29.85	78	74	3	2000	CU	79	125	2	.5	135	2	1
24	10	090	16	10	SCT	29.87	77	73	4	2000	CU	79	120	2	.5	125	3	1
01	11	085	16	10	SCT	29.84	77	73	4	2000	CU	79	120	2	.5	125	3	1
02	12	100	14	10	SCT	29.83	76	73	2	2000	CU	79	105	2	.5	110	3	1
03	13	103	14	10	SCT	29.82	76	72	2	2000	CU	79	115	2	.5	115	3	1
04	14	120	12	10	SCT	29.83	76	73	3	2000	CU	78	115	2	.5	115	3	1
	15	115	10	10	SCT	29.83	78	73	3	2000	CU	78	115	2	.5	115	3	1
	16	125	10	10	SCT	29.84	77	74	4	2000	CU	78	115	2	.5	115	3	1
	17	090	10	10	SCT	29.88	77	74	4	2000	CU	79	115	2	1	115	3	1
05	18	100	14	10	SCT	29.89	80	74	4	2000	CU	79	120	2	.5	130	3	1
07	19	105	10	10	SCT	29.89	80	74	8	2000	CU	79	120	2	.5	130	3	1
	20	110	16	10	SCT	29.89	80	74	6	2000	CU	79	120	2	.5	130	3	1
11	21	110	16	10	SCT	29.89	80	74	6	2000	CU	79	120	2	.5	130	3	1
12	22	110	14	10	SCT	29.86	80	74	6	2000	CU	79	110	2	.5	130	3	1
13	23	107	14	10	SCT	29.85	80	74	6	2000	CU	79	107	2	.5	125	3	1

TABLE II

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS George Eastman YAG-39 DATE (GMT) 23 March 19 60

AT/PASSAGE FROM Specimens TO

TABLE I

TIME (GMT)	WINDS ☐ √ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	105	20	10	SCT	29.81	82	74	5	2000	cu	80	130	3	.5	125	4	1
01	065	20	10	SCT	29.80	82	74	5	2000	cu	80	120	3	.5	125	4	1
02	095	18	10	SCT	29.77	80	74	4	2000	CU	80	115	3	.5	120	4	1
03	110	18	10	SCT	29.75	80	75	6	2000	cu	80	120	3	.5	120	4	1
04	090	20	10	SCT	29.78	80	75	5	2000	CU	80	120	3	.5	130	4	1
05	090	18	10	SCT	29.81	77	77	4	2000	CU	80	120	3	.5	130	4	1
06	160	16	10	SCT	29.89	79	77	4	2000	CU	80	160	3	.5	150	4	1
07	150	12	10	SCT	29.95	79	77	4	2000	CU	80	150	3	.5	160	4	1
08	165	17	10	SCT	29.96	78	77	4	2000	CU	80	145	3	.5	150	4	1
09	155	17	10	SCT	29.87	79	77	4	2000	CU	80	155	3	.5	160	4	1
10	[illegible]	18	10	[illegible]	[illegible]	77	74	4	2000	CU	80	120	3	.5	125	4	1
11	156	22	10	SCT	29.84	77	74	4	2000	CU	80	110	3	.5	115	4	1
12	145	18	10	SCT	29.81	77	73	4	2000	CU	80	120	3	.5	120	4	1
13	095	18	10	SCT	29.80	77	73	6	2000	CU	80	120	3	.5	125	4	1
14	100	20	10	SCT	29.79	77	72	1	2000	CU	80	110	3	.5	115	4	1
15	126	15	10	SCT	29.80	76	72	1	2000	CU	80	135	3	.5	140	4	1
16	335	14	10	SCT	29.80	77	73	1	2000	CU	78	140	3	.5	145	4	1
17	115	15	10	SCT	29.83	77	73	1	2000	CU	78	145	3	½	145	3	1
18	105	14	10	SCT	29.86	77	74	2	2000	CU	78	150	3	½	150	3	1
19	045	20	10	SCT	29.88	79	74	4	2000	CU	79	130	3	1	130	3	2
20	085	20	10	SCT	29.89	81	75	5	2000	CU	80	125	3	1	125	3	2
21	085	17	10	SCT	29.89	81	75	5	2000	CU	80	120	3	1	120	3	2
22	085	16	10	SCT	29.85	82	77	5	2000	CU	79	120	3	1	125	4	2
23	085	18	10	SCT	29.82	83	78	5	2000	CU	79	120	3	1	125	4	1

TABLE II

NAVAY FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS _____ DATE (GMT) 22 MARCH 19 67

AT/PASSAGE FROM _____ TO _____

TABLE I

TIME (GMT)	WINDS ☐ √ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	040	17	10	SCT	29.83	71	75	8	2000	CU	86	090	3	2	090	4	3
01	037	19	10	SCT	29.81	82	76	5	2000	CU	86	070	3	3	075	4	4
02	023	17	10	SCT	29.79	81	76	2	2000	CU	86	070	3	3	080	4	4
03	040	17	10	SCT	29.78	90	76	7	2000	CU	86	065	3	3	090	4	4
04	063	16	10	SCT	29.80	81	76	6	2000	CU	86	085	3	3	090	4	4
05	080	16	10	OVC	29.82	78	74	10	2000	CU	86	100	3	3	110	4	4
06	084	17	10	OVC	29.84	74	74	10	2000	CU	86	100	3	3	110	4	4
07	125	13	10	BKN	29.85	78	74	9	2000	CU	86	110	3	3	090	4	4
08	130	19	10	BKN	29.87	78	74	9	2000	CU	86	130	3	2	140	4	4
09	135	19	10	R	29.89	77	73	10	2000	ST	84	135	3	2	145	4	3
10	092	17	2	R	29.87	75	74	10	2000	ST	86	135	3	2	140	4	4
11	095	7	10	BKN	29.54	76	74	9	2000	ST	86	085	3	2	090	4	3
12	090	7	10	BKN	29.53	76	74	9	2000	ST	86	085	3	2	090	4	3
13	160	20	10	BKN	29.79	77	73	7	2000	CU	86	085	3	2	090	4	3
14	145	18	10	BKN	29.80	78	73	9	2000	CU	86	090	3	2	080	4	3
15	145	16	10	BKN	29.79	77	73	6	2000	CU	86	090	3	1	080	4	2
16	122	18	10	SCT	29.79	77	73	4	2000	CU	86	130	3	3	110	4	4
17	110	16	10	SCT	29.83	77	73	9	2000	CU	86	145	3	3	135	4	4
18	111	13	10	SCT	29.85	77	73	8	2000	CU	86	115	3	2	115	4	4
19																	
20	SEE REMARKS																
21	090	15	10	SCT	29.86	80	74	6	2000	CU	85	090	3	5	115	4	1
22																	
23	060	20	10	SCT	29.83	82	75	6	2000	CU	85	110	3	5	120	4	1

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS GEORGE EASTMAN AG 39 DATE (GMT) 28 MARCH 19 67

AT/PASSAGE FROM SAIKI OPS TO

TABLE I

TIME (GMT)	WINDS ☐ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	050	19	10	OVC	29.82	81	75	9	2000	CU	84	040	2	1	110	4	2
01	060	18	10	OVC	29.80	81	75	9	2000	CU	84	050	2	1	070	4	2
02	070	30	10	OVC	29.79	80	75	9	2000	CU	84	060	2	1	070	4	2
03	050	26	10	OVC	29.79	80	75	9	2000	CU	86	070	2	1	075	4	2
04	060	30	10	OVC	29.79	80	75	8	2000	CU	86	070	2	1	075	4	2
05	035	30	10	OVC	29.53	79	75	10	2000	CU	86	160	2	1	165	4	3
06	050	11	10	OVC	29.55	78	74	10	2000	CU	86	050	2	1	060	3	4
07	060	20	10	OVC	29.87	77	74	10	1500	CU	86	045	2	1	050	3	4
08	050	19	10	OVC	29.88	76	74	10	1500	CU	86	050	2	1	050	3	2
09	040	13	10	OVC	29.89	76	74	7	2500	CU	86	055	2	1	060	3	2
10		13	10	OVC	29.89	79	75	9	2000	CU	85	050	2	1	060	3	2
11													2				
12		12															
13		13		SCT													
14	035	16	10	SCT	29.84	77	74	5	2000	CU	85	035	2	1	040	3	2
15	050	16	10	SCT	29.82	77	74	5	2000	CU	85	060	2	1	070	3	2
16	040	18	10	SCT	29.83	77	74	5	2000	CU	85	040	2	1	040	3	2
17	033	16	10	SCT	29.84	77	76	7	2000	CU	85	090	2	1	345	3	2
18	080	15	10	SCT	29.88	77	76	8	2000	CU	85	090	4	1	085	4	1
19	090	8	10	SCT	29.91	81	75	7	2000	CU	85	215	4	1	220	4	1
20	045	12	10	SCT	29.88	81	75	4	2000	CU	85	335	4	1	340	4	1
21	060	15	10	SCT	29.88	81	75	7	2000	CU	85	330	4	1	335	4	1
22	040	21	10	SCT	29.81	83	76	7	2000	CU	RL	055	4	1	080	4	1
23																	

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS GEORGE EASTMAN DATE (GMT) 20 MARCH 1967

AT/PASSAGE FROM SPECIAL OPS. TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	025	19	10	SCT	29.82	83	76	5	2000	cu	86	115	3	3	110	4	5
01	055	18	10	SCT	29.79	83	77	4	2000	cu	86	110	3	3	100	4	5
02	083	21	10	SCT	29.77	81	76	6	2000	cu	86	095	3	3	105	4	5
03	055	10	10	SCT	29.78	80	75	7	2000	cu	86	100	3	3	110	4	5
04	051	11	10	OVC	29.80	81	76	9	2000	cu	86	100	3	3	110	4	5
05	054	13	10	SCT	29.81	80	75	7	2000	cu	86	110	3	3	100	4	5
06	077	13	10	SCT	29.85	80	75	5	2000	cu	86	077	3	3	100	4	5
07	054	11	10	SCT	29.87	80	75	6	2000	cu	86	050	3	3	075	4	5
08	053	12	10	SCT	29.88	80	75	6	2000	cu	86	050	3	3	075	4	5
09	070	13	10	SCT	29.89	77	75	6	2000	cu	86	090	2	1	100	4	3
10	345	26	10	SCT	29.88	80	75	5	2000	cu	86	065	2	1	070	4	3
11	345	25	10	SCT	29.87	79	75	4	2000	cu	86	065	2	1	070	4	3
12	365	24	10	SCT	29.84	78	74	5	2000	cu	86	060	2	1	065	4	3
13	010	24	10	BKN	29.83	77	74	10	1000	cu	86	060	2	1	010	4	3
14	330	19	10	R	29.82	76	74	10	1000	cu	86	070	3	2	075	4	5
15	305	23	10	OVC	29.83	77	74	10	1500	cu	86	070	3	2	075	4	5
16	130	22	10	R	29.84	75	74	10	1500	cu	86	080	3	2	080	4	5
17	320	28	10	OVC	29.86	76	74	9	1500	cu	86	085	3	2	080	4	5
18	320	30	10	OVC	29.86	78	75	9	1500	cu	85	010	3	1	015	4	3
19	320	25	10	OVC	29.88	79	75	9	2000	cu	84	015	3	1	020	4	2
20	330	22	10	OVC	29.89	80	75	9	2000	cu	85	115	2	.5	130	3	1
21	081	23	10	OVC	29.86	82	76	9	2000	cu	85	035	2	.5	010	3	1
22	330	14	10	OVC	29.87	82	76	9	2000	cu	55	050	2	.5	060	3	1
23	350	25	10	OVC	29.85	82	76	9	2000	cu	054	050	2	.5	115	3	1.5

TABLE II

OPNAV FORM 3144-1 (9-64)
5107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS George Eastman Yng-39 DATE (GMT) 3-18-67 19 67

AT/PASSAGE FROM Special Ops TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED Direction (True)	Force (Knots)	VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths) Dry Bulb	Wet Bulb	CLOUDS Amount (Tenths)	Height	Type	SEA WATER TEMP. (Degrees and tenths)	SEA WAVES Direction (True)	Period (Seconds)	Height (Feet)	SWELL WAVES Direction (True)	Period (Seconds)	Height (Feet)
00	073	14	10	SCT	29.85	81	77	8	2000	CU	82	115	3	1	120	4	2
01	[illegible]	16	10	SCT	29.85	83	77	8	[illegible]	[illegible]	84	[illegible]	3	1	[illegible]	4	2
02	080	17	10	SCT	29.84	84	77	11	1500	CU	81	150	3	1	140	4	2
03	085	18	10	SCT	29.84	83	77	6	[illegible]	CU	81	155	3	1	145	4	2
04	080	16	10	SCT	29.84	82	77	5	2000	CU	81	160	3	1	165	4	2
05	070	16	10	SCT	29.86	81	77	5	2000	CU	81	145	3	1	135	4	3
06	060	15	10	SCT	29.87	81	77	5	2000	CU	81	145	3	1	135	4	3
07	055	15	10	SCT	29.89	81	77	5	2000	CU	81	145	3	1	135	4	3
08	050	14	10	SCT	29.90	80	77	5	2000	CU	81	145	3	1	135	4	3
09	045	14	10	SCT	29.91	80	77	5	2000	CU	81	145	3	1	135	4	3
10	[illegible]	19	10	SCT	[illegible]	[illegible]	[illegible]	5	[illegible]	[illegible]	83	[illegible]	3	1	[illegible]	4	[illegible]
11	034	18	10	SCT	29.88	80	75	6	2000	CU	83	145	3	1	135	4	3
12	034	16	10	SCT	29.85	84	75	6	2000	CU	83	145	3	1	135	4	3
13	037	17	10	SCT	29.85	79	75	5	2000	CU	83	145	3	1	135	4	3
14	[illegible]	[illegible]	10	SCT	[illegible]			[illegible]	[illegible]	[illegible]	85	[illegible]	3	1	[illegible]	[illegible]	[illegible]
15	040	22	10	SCT	29.83	80	75	3	2000	CU	83	130	3	1	130	4	3
16	[illegible]	21	10	SCT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	1	[illegible]	4	[illegible]
17	098	18	10	SCT	29.87	80	75	5	2100	CU	82	098	3	1	150	4	3
18	120	18	10	SCT	29.88	80	75	5	2000	CU	82	120	3	1	155	4	3
19	128	18	10	SCT	29.90	83	76	5	2000	CU	82	128	3	1	150	4	3
20	129	19	10	SCT	29.90	83	76	5	2000	CU	82	125	3	1	150	4	3
21	140	19	10	SCT	29.88	84	76	5	2000	CU	82	140	3	1	150	4	3
22	070	22	10	SCT	29.88	84	77	3	2000	CU	82	130	3	1	140	4	3
23	070	20	10	SCT	29.88	84	77	4	2000	CU	82	130	3	1	140	4	3

OPNAV FORM 3144-1 (9-64)
[illegible]-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS GEORGE EASTMAN VAG-39 DATE (GMT) _____ 19 _____

AT PASSAGE FROM SPECIAL OPS TO _____

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED Direction (True)	Force (Knots)	VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths) Dry Bulb	Wet Bulb	CLOUDS Amount (Tenths)	Height	Type	SEA WATER TEMP. (Degrees and tenths)	SEA WAVES Direction (True)	Period (Seconds)	Height (Feet)	SWELL WAVES Direction (True)	Period (Seconds)	Height (Feet)
[illegible]	051	22	10	SCT	29.83	84	77	4	2000	CU	82	130	3	1	120	4	2
[illegible]	SEE DETAIL.																
[illegible]																	
[illegible]	114	19	10	SCT	29.83	84	77	5	2000	CU	86	144	3	2	107	4	3
[illegible]	114	19	10	SCT	29.83	84	77	5	2000	CU	86	144	3	2	107	4	3
[illegible]	031	20	10	SCT	29.84	81	77	7	2000	CU	87	085	3	2	090	4	4
[illegible]	055	23	10	SCT	29.86	80	76	4	2000	CU	86	100	3	2	100	4	4
[illegible]	055	20	10	SCT	29.87	80	76	5	2000	CU	86	100	3	2	095	4	4
[illegible]	030	20	10	SCT	29.88	80	76	4	2000	CU	86	105	3	2	100	4	4
[illegible]	040	33	10	R	29.87	77	75	7	2000	CU	87	100	3	3	100	4	5
[illegible]	032	33	10	R	29.87	78	76	9	2000	CU	87	100	3	3	100	4	5
[illegible]	201	31	10	OVC	[illegible]	79	76	9	2000	CU	87	115	3	3	115	[illegible]	[illegible]
[illegible]	[illegible]	24	10	[illegible]	[illegible]	78	75	9	2000	CU	85	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78	75	[illegible]	[illegible]	[illegible]	85	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	24	10	OVC	29.90	78	75	9	2000	CU	85	120	3	3	120	4	5
[illegible]	025	25	10	OVC	29.80	74	75	7	2000	CU	85	075	3	3	070	4	5
[illegible]	107	21	10	SCT	29.80	74	75	5	2000	CU	85	107	3	3	110	4	5
[illegible]	117	22	10	BKN	29.83	74	75	2	2000	CU	85	117	3	3	107	4	5-6
[illegible]	030	31	10	BKN	29.84	79	76	9	2000	CU	85	100	3	3	095	4	6
[illegible]	137	41	10	BKN	29.85	78	75	9	2000	CU	85	105	3	3	100	4	7
[illegible]	329	36	10	BKN	29.86	80	76	7	2000	CU	85	100	3	3	095	4	7
[illegible]	040	29	10	SCT	29.86	80	76	6	2000	CU	85	100	3	3	095	4	7
[illegible]	035	20	10	SCT	29.86	81	77	5	2000	CU	86	115	3	3	110	4	6
[illegible]	070	23	10	SCT	29.84	81	76	5	2000	CU	86	115	3	3	115	4	5

TABLE II

OPNAV FORM 3144-1 (9-54)
S/N 0107-700-4101

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS [illegible] DATE (GMT) [illegible] 19 [illegible]

AT PASSAGE FROM [illegible] TO [illegible]

TABLE I

TIME (GMT)	WINDS ☐ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period Seconds)	Height (Feet)
00	035	12	10	SCT	29.86	84	78	5	2000	CU	85	030	4	1	050	4	2
01	040	12	10	SCT	29.85	83	78	5	2000	CU	85	040	4	1	040	4	2
02	035	14	10	SCT	29.84	81	76	4	2000	CU	85	035	4	1	040	4	2
03	035	20	10	SCT	29.84	81	76	4	2000	CU	85	035	4	2	040	4	3
04	040	16	10	SCT	29.84	81	77	1	2000	CU	85	045	4	2	030	4	3
05	040	14	10	SCT	29.86	81	77	1	2000	CU	85	040	4	2	045	4	3
06	045	14	10	SCT	29.88	80	76	2	2000	CU	85	040	4	2	045	4	3
07	[illegible]	19	10	SCT	29.89	80	76	3	2000	CU	85	040	4	2	040	4	3
08	[illegible]	17	10	SCT	29.90	80	76	4	2000	CU	85	[illegible]	4	2	[illegible]	4	[illegible]
09	[illegible]	[illegible]	10	SCT	29.90	[illegible]	76	4	2000	CU	85	[illegible]	4	1	[illegible]	4	[illegible]
10	041	14	10	SCT	29.91	80	76	4	2000	CU	85	041	4	1	035	4	2
11	041	14	10	SCT	29.93	80	76	4	2000	CU	85	041	4	1	050	4	2
12	040	19	10	SCT	29.93	80	76	4	2000	CU	85	040	4	1	040	4	2
13	040	19	10	SCT	29.90	80	76	5	2000	CU	85	040	4	1	040	4	2
14	040	16	10	SCT	29.88	79	77	6	2000	CU	84	040	4	1	040	4	2
15	040	18	10	SCT	29.85	80	76	7	2000	CU	84	040	4	1	040	4	2
16	040	17	10	BKN	29.81	84	75	6	2000	CU	85	040	3	1	040	4	2
17	040	17	10	BKN	29.78	84	76	6	2000	CU	85	040	3	1	040	4	2
18	040	17	10	BKN	29.81	84	76	6	2000	CU	84	040	3	1	040	4	2
19	040	16	10	BKN	29.82	83	78	5	2000	CU	84	040	3	1	040	4	2
20	040	16	10	BKN	29.84	83	78	5	2000	CU	85	040	3	1	040	4	2
21	040	17	10	SCT	29.85	83	77	5	2000	CU	85	040	3	1	040	4	2
22	040	18	10	SCT	29.83	82	80	2	2000	CU	80	040	3	1	040	4	2
23	040	16	10	SCT	29.81	83	78	1	2000	CU	82	040	3	1	040	4	2

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS USS George Eastman (YAG-39) DATE (GMT) +10W 16 March 19 67

AT/PASSAGE FROM PALMYRA TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED Direction (True)	Force (Knots)	VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths) Dry Bulb	Wet Bulb	CLOUDS Amount (Tenths)	Height	Type	SEA WATER TEMP. (Degrees and tenths)	SEA WAVES Direction (True)	Period (Seconds)	Height (Feet)	SWELL WAVES Direction (True)	Period (Seconds)	Height (Feet)
00	SEA AND INCHON DETAIL																
01	100	4	10	SCT	29.82	85	75	6	2000	CU		100	4	1	170	4	2
02	060	8.7	10	SCT	29.82	84	79	5	2000	CU	82	100	4	1	170	4	2
03	040	8.7	10	SCT	29.83	84	79	5	2000	CU	83	100	4	1	170	4	2
04	055	10	10	SCT	29.85	[illegible]	77	4	2000	CU	83	100	4	1	140	4	2
05	045	8.7	10	SCT	29.87	83	78	5	2000	CU	82	100	4	1	140	4	2
06	047	10	10	SCT	29.87	80	76	3	2000	CU	86	100	4	1	130	4	2
07	[illegible]	[illegible]	[illegible]	[illegible]	29.89	80	75	4	2000	CU	82	110	4	1	120	4	2
08	[illegible]	15	10	R	29.90	80	77	9	2000	CU	83	115	3	1	120	4	2
09	045	15	10	BKN	29.90	80	77	8	2000	CU	86	110	3	1	115	4	2
10	010	14	10	BKN	29.90	80	77	8	2000	CU	86	010	3	1	115	4	2
11	022	12	10	R	29.89	79	75	9	2000	CU	86	020	3	1	100	4	2
12	56	14	10	BKN	29.86	79	75	9	2000	CU	86	[illegible]	3	1	130	4	2
13	079	12	10	BKN	29.86	79	75	9	2000	CU	86	079	3	1	180	4	2
14	073	14	10	BKN	29.83	78	75	3	2000	CU	86	080	4	1	140	4	2
15	075	13	10	BKN	29.83	78	75	4	2000	CU	86	080	4	1	140	4	2
16	070	12	10	SCT	29.85	78	75	4	2000	CU	86	080	4	1	140	4	2
17	[illegible]	14	10	SCT	[illegible]	79	76	7	[illegible]	CU	85	010	4	1	015	4	2
18	074	14	10	SCT	29.87	79	76	7	2000	CU	82	020	4	1	015	4	2
19	[illegible]	14	10	SCT	29.89	80	76	7	2000	CU	85	020	4	1	015	4	2
20	073	14	10	SCT	29.90	82	76	7	2000	CU	85	020	4	1	015	4	2
21	055	11	10	SCT	29.91	83	78	8	2000	CU	85	035	4	1	040	4	2
22	055	10	10	SCT	29.90	83	78	8	2000	CU	85	035	4	1	060	4	2
23	055	12	10	SCT	29.88	83	78	8	2000	CU	85	055	4	1	030	4	2

TABLE II

OPNAV FORM 3144-1 (9-64)
0107-714-[illegible]00

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS GEORGE EASTMAN YAG-39 DATE (GMT) 15 MARCH 1967

AT/PASSAGE FROM SPECIAL OPS TO

TABLE I

TIME (GMT)	WINDS (C IF ESTIMATED)		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	C-5	22	10	SCT	29.83	80	76	3	2000	CU	80	070	3	3	075	4	5
01	[illegible]	19	10	[illegible]	29.80	80	76	3	2000	CU	80	065	3	3	070	4	4
02	[illegible]	24	10	SCT	29.79	80	76	8	2000	CU	80	070	3	3	075	4	4
03	[illegible]	16	10	SCT	29.80	81	77	7	2000	CU	84	070	3	3	075	4	4
04	[illegible]	22	10	SCT	29.81	81	77	9	2000	CU	84	065	3	3	070	4	4
05	[illegible]	17	10	SCT	29.82	79	76	9	2000	CU	84	045	3	3	[illegible]	4	4
06	[illegible]	17	10	SCT	[illegible]	[illegible]	[illegible]	5	[illegible]	CU	[illegible]	[illegible]	3	3	[illegible]	4	4
07	[illegible]	17	10	SCT	29.87	79	75	5	2000	CU	84	067	3	2	070	4	4
08	[illegible]	17	10	SCT	29.85	79	75	5	2000	CU	84	068	3	2	070	4	4
09	[illegible]	17	10	SCT	29.89	79	75	5	2000	CU	84	067	3	2	070	4	4
10	[illegible]	17	10	SCT	29.87	79	77	6	2000	CU	85	085	3	2	090	4	4
11	[illegible]	19	10	SCT	29.85	79	76	5	2000	CU	85	085	3	2	090	4	4
12	[illegible]	22	10	SCT	29.83	79	76	5	2000	CU	85	085	3	2	090	4	4
13	[illegible]	19	10	SCT	29.82	79	76	7	2000	CU	85	085	3	2	090	4	4
14	[illegible]	17	[illegible]	BKN	[illegible]	79	76	7	2000	CU	84	090	3	2	090	4	5
15	[illegible]	15	10	BKN	29.83	79	75	6	2000	CU	84	090	3	2	090	4	3
16	[illegible]	12	10	SCT	29.84	78	75	3	2000	CU	84	100	3	2	100	4	3
17	[illegible]	13	10	SCT	29.85	79	75	1	2000	CU	84	125	3	2	120	4	3
18	[illegible]	16	10	SCT	29.86	80	76	3	2000	CU	86	140	3	2	145	4	3
19	[illegible]	13	10	SCT	29.88	82	78	6	2000	CU	86	130	3	2	145	4	3
20	[illegible]	14	10	SCT	29.89	82	78	7	2000	CU	86	135	3	2	140	4	3
21	[illegible]	11	10	SCT	29.89	84	79	7	2000	CU	86	115	3	2	120	4	3
22	[illegible]	11	10	SCT	29.89	87	80	7	2000	CU	86	125	3	2	100	4	3
23	[illegible]	11	10	SCT	29.85	85	78	7	2000	CU	86	129	3	2	095	4	2

OPNAV FORM 3144-1 (9-64)
0107-714 4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS _____ DATE (GMT) _____ 19 _____

AT/PASSAGE FROM _____ TO _____

TABLE I

TIME (GMT)	WINDS ☐ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00																	
01																	
02																	
03																	
04																	
05																	
06																	
07																	
08																	
09																	
10																	
11																	
12																	
13																	
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15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	

OPNAV FORM 3144-1 (9-64)
0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS [illegible] DATE (GMT) [illegible] 19 [illegible]

AT/PASSAGE FROM [illegible] TO

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED		VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths)		CLOUDS			SEA WATER TEMP. (Degrees and tenths)	SEA WAVES			SWELL WAVES		
	Direction (True)	Force (Knots)				Dry Bulb	Wet Bulb	Amount (Tenths)	Height	Type		Direction (True)	Period (Seconds)	Height (Feet)	Direction (True)	Period (Seconds)	Height (Feet)
00	[illegible]	13	[illegible]	SCT	[illegible]	[illegible]	73	4	[illegible]	[illegible]	83	[illegible]	3	1	[illegible]	[illegible]	[illegible]
01		[illegible]			[illegible]	[illegible]	[illegible]				83	[illegible]					
02					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83	[illegible]		[illegible]	[illegible]		
03	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	73	[illegible]	[illegible]	[illegible]	83	[illegible]	[illegible]	1	[illegible]		
04	[illegible]				[illegible]	79	72	[illegible]	[illegible]	[illegible]	84	[illegible]	[illegible]	1	[illegible]	[illegible]	
05	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84	[illegible]	3	1	[illegible]	4	
06	[illegible]	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
07	[illegible]	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
08	[illegible]	7	[illegible]	[illegible]	[illegible]	[illegible]	72	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]	
09	[illegible]	8	[illegible]	SCT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]
10	[illegible]	14	10	SCT	29.94	77	72	1	2000	CU	84	100	3	1	130	4	1
11	[illegible]	14	10	SCT	29.92	77	72	2	2000	CU	84	100	3	1	130	4	1
12	[illegible]	14	10	SCT	29.89	77	72	4	2000	CU	84	105	3	1	125	4	1
13	[illegible]	16	10	SCT	29.89	77	72	2	2000	CU	84	105	3	1	125	4	1
14	[illegible]	18	10	SCT	29.88	77	73	3	2000	CU	80	115	3	1	115	4	2
15	[illegible]	19	10	SCT	29.87	76	72	4	2000	CU	80	110	3	1	110	4	3
16	[illegible]	20	10	SCT	29.87	76	72	3	2000	CU	80	115	3	1	115	4	3
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72	3	2000	CU	80	[illegible]	3	2	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]	84	[illegible]	[illegible]	[illegible]	[illegible]		
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
21		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75	7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	

0107-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

USS George Eastman Yag-91 DATE (GMT) March 11, 1963 19 63

AT/PASSAGE FROM Philsy TO Sea Ops

TABLE I

	TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED Direction (True)	Force (Knots)	VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths) Dry Bulb	Wet Bulb	CLOUDS Amount (Tenths)	Height	Type	SEA WATER TEMP. (Degrees and tenths)	SEA WAVES Direction (True)	Period (Seconds)	Height (Feet)	SWELL WAVES Direction (True)	Period (Seconds)	Height (Feet)
	00																	
	01																	
1600	02	060	18	10	BKN	29.87	71	71	9	2000	CU	79	120	2	1	120	3	2
1700	03	085	23	10	BKN	29.90	73	70	8	2500	CU	79	105	3	1	110	3	2
1800	04	108	16	10	BKN	29.93	74	70	8	2500	CU	78	140	2	1	138	3	2
1900	05	112	17	10	BKN	29.94	70	70	9	2500	CU	78	100	2	1	100	3	2
2000	06	110	17	10	BKN	29.96	74	70	9	2500	CU	78	110	2	1	129	3	2
2100	07	127	17	10	BKN	29.97	74	70	8	2500	CU	80	127	3	1	129	4	2
2200	08	127	17	10	BKN	29.98	74	70	7	2500	CU	80	127	3	1	129	4	2
2300	09	153	16	10	BKN	29.99	73	70	7	2500	CU	80	153	3	1	160	4	2
0000	10	135	13	10	BKN	29.96	74	70	4	2000	CU	80	153	3	1	160	4	2
0100	11	140	20	10	BKN	29.94	73	69	4	2000	CU	80	158	3	1	160	4	2
0200	12	115	15	10	BKN	29.94	73	68	4	2000	CU	80	158	3	1	160	4	2
0300	13	115	23	10	BKN	29.92	75	69	2	2000	CU	80	150	3	1	160	4	3
0400	14	095	16	10	SCT	29.92	74	69	3	2000	CU	80	130	3	1	130	4	3
0500	15	093	17	10	SCT	29.91	74	70	4	2000	CU	81	140	3	1	140	4	3
0600	16	085	21	8	BKN	29.91	72	70	5	2000	CU	81	140	3	2	140	4	4
0700	17	091	21	10	BKN	29.93	74	69	5	2000	CU	81	140	3	2	140	4	4
0800	18	094	22	10	BKN	29.94	73	70	8	2000	CU	79	140	3	2	130	4	4
0900	19	105	26	10	BKN	[illegible]	72	69	7	2000	CU	79	140	3	2	130	4	4
1000	20	[illegible]	26	10	BKN	[illegible]	70	70	4	2000	CU	80	150			[illegible]		
1100	21	[illegible]	15	10	BKN	29.96	76	71	[illegible]	[illegible]	CU	80						
1200	22	153	17	10	BKN	29.96	76	71	7	2000	CU	80	153	3	2	160	4	2
1300	23	160	17	10	BKN	29.92	76	71	7	2000	CU	80	150	3	2	160	4	2

NAV FORM 3144-1 (9-64)
[illegible]-714-4100

DEPARTMENT OF THE NAVY

SHIP WEATHER OBSERVATION SHEET

SS [illegible] DATE (GMT) [illegible] 19

T/PASSAGE FROM [illegible] TO [illegible]

TABLE I

TIME (GMT)	WINDS ☐ ✓ IF ESTIMATED Direction (True)	Force (Knots)	VISIBILITY (Miles)	WEATHER (Symbols)	BAROMETER (Inches)	TEMPERATURE (Degrees and tenths) Dry Bulb	Wet Bulb	CLOUDS Amount (Tenths)	Height	Type	SEA WATER TEMP. (Degrees and tenths)	SEA WAVES Direction (True)	Period (Seconds)	Height (Feet)	SWELL WAVES Direction (True)	Period (Seconds)	Height (Feet)
00	160	17	10	BKN	29.92	74	71	[illegible]	2000	CU/C	80	160	3	1	150	4	3
01	170	17	10	BKN	29.86	76	71	[illegible]	2000	CU	80	170	3	1	155	4	3
02	193	19	10	BKN	29.86	78	71	8	2000	CU	81	145	3	1	150	4	2
03	194	19	10	BKN	29.86	75	71	9	2000	CU	81	145	3	1	150	4	2
04	194	19	10	BKN	29.86	75	71	8	2000	CU	81	145	3	1	150	4	2
05	196	14	10	BKN	29.88	75	71	6	2000	CU	81	145	3	1	150	4	2
06	[illegible]	19	10	BKN	[illegible]	75	71	3	2000	CU	82	140	3	1	140	4	2
07	105	17	10	SCT	29.93	75	71	2	2000	CU	83	145	3	1	140	4	3
08	100	18	10	SCT	29.94	75	70	1	2000	CU	81	135	3	1	135	4	3
09	095	19	10	CLR	29.94	75	70	—	—	—	81	140	3	1	140	4	3
10	[illegible]	[illegible]	[illegible]	SCT	[illegible]	[illegible]	71	1	[illegible]	[illegible]	81	[illegible]			[illegible]	[illegible]	[illegible]
11	[illegible]	19	10	SCT	[illegible]	[illegible]	71	[illegible]	[illegible]		81	[illegible]	[illegible]	[illegible]			
[illegible]	109	21	10	SCT	[illegible]	[illegible]	70		[illegible]	[illegible]	81						
13	109	21	[illegible]	[illegible]	[illegible]	75	70	[illegible]	[illegible]	[illegible]	81	[illegible]					
14	127	15	10	SCT	29.90	75	71	5	2000	CU	80	127	2	1	135	4	3
15	127	17	10	SCT	29.90	75	71	5	2000	CU	80	127	2	1	135	4	3
16	127	17	10	SCT	29.90	75	71	5	2000	CU	80	127	2	1	135	4	3
17	140	15	10	SCT	29.90	76	72	5	2000	CU	80	140	2	1	125	4	2
18	055	17	10	SCT	29.94	77	72	1	2000	CU	82	125	3	1	120	4	2
19	055	19	10	SCT	29.94	78	72	1	2000	CU	82	125	3	1	120	4	2
20	090	16	10	SCT	29.94	78	73	1	2000	CU	82	135	3	1	140	4	2
21	085	17	10	SCT	29.95	79	72	1	2000	CU	82	135	3	1	140	4	2
22	103	16	10	[illegible]	29.94	78	72	3	1999	CU	83	140	3	1	140	4	2
23	[illegible]	[illegible]	10	SCT	29.91	80	73	4	2000	CU	83	145	3	1	145	4	3

OPNAV FORM—3140-8 (3-53) FORMERLY NAVAER 443A2A

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS (SHIP STATION)

WBANIIA

U.S.S. GEORGE EASTMAN (YAG-39) STATION _____ LATITUDE _____ LONGITUDE _____ DATE 11 MARCH 1967

POSITION OLLII 1A	COURSE 1B	SPD. 1C	TYPE 1	TIME (GCT) 2	SKY AND CEILING (HUNDREDS OF FEET) 3	VISIBILITY (NAUT. MILES) 4	WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. (MBS.) 6	TEMP. (°F.) 7	DEW PT. (°F) 8	WIND DIRECTION 9	WIND SPEED (KTS.) 10	WIND CHARACTER AND SHIFTS 11	ALTIMETER SET. (INS.) 12	REMARKS AND SUPPLEMENTAL CODED DATA 13	14A 14B	OBSERVERS INITIALS 15
12158	180	11	R	0600	15 Ⓓ 70 Ⓞ E120 Ⓓ	10		146	76	69	07	07					RB
12058	178	11	R	1200	15 Ⓓ 70 Ⓓ	10		143	75	70	07	11					GN
11958	178	11	R	1800	E15 Ⓓ 80 Ⓞ 140 Ⓓ	10		146	75	69	11	18					GC
							2 MARCH 1967										
11858	198	11	R	0000	15 Ⓓ E 120 Ⓓ	10		142	79	70	11	18					GC
11758	198	11	R	0600	15 Ⓞ 40 Ⓓ 120 Ⓓ	10		122	76	71	09	16					GC
11659	198	11	R	1200	15 Ⓓ	10		149	76	70	08	19					GN
11559	198	11	R	1800	15 Ⓓ	10		129	76	78	09	20					GN
							13 MARCH										
11460	198	11	R	0000	15 Ⓓ	10		122	85	71	10	14					GN
11360	198	11	R	0600	15 Ⓓ	10		088	81	70	09	10					RB
11360	198	11	R	1200	12 Ⓓ	10		139	78	71	07	14					RB
11261	196	9	R	1800	15 Ⓓ	10		129	78	72	07	18					GC
							14 MARCH										
11261	195	8	R	0000	20 Ⓓ	10		129	83	72	08	17					GC
11161	193	9	R	0600	E 20 Ⓓ	10		112	79	73	04	22					GN
11061	190	8	R	1200	20 Ⓓ	10		129	78	74	04	27					GN
10962	190	8	R	1800	E 20 Ⓓ 120 Ⓞ / Ⓓ	10		108	79	75	04	24					RB
							15 MARCH										
10862	190	8	R	0000	20 Ⓓ / Ⓓ	10		105	85	75	05	21					RB
10862	190	8	R	0600	15 Ⓓ 20 Ⓓ E 100 Ⓓ	10		102	82	76	05	17					GC
10862	183	8	R	1200	15 Ⓓ 80 Ⓓ	10		112	79	75	07	17					GC
10762	190	11	R	1800	15 Ⓓ 80 Ⓓ	10		112	80	75	05	13					GN
							16 MARCH			7							
10662	168	11	R	0000	20 Ⓓ	10		102	85	74	13	11					GN
							17 MARCH										
10662	123	8	R	0600	E 20 Ⓓ	10		108	82	75	11	19					GN
10562	120	9	R	1200	E 20 Ⓓ	10	R--	115	81	74	11	30					GN
10462	149	11	R	1800	15 Ⓓ 25 Ⓓ / Ⓓ	7		102	78	74	12	23					GC
							20 MARCH										
10560	—	—	R	0000	20 Ⓓ / Ⓓ	10		098	85	73	09	21					GC
10560	150	5	R	0600	20 Ⓓ / Ⓓ	10		102	80	74	07	23					GC
10460	150	5	R	1200	15 Ⓓ E 20 Ⓓ / Ⓓ	10		108	77	71	08	23					GC
10459	150	11	R	1800	E 20 Ⓓ 70 Ⓞ / Ⓓ	7	R--	108	75	74	09	28					RB
							21 MARCH										
10459	—	—	R	0000	15 Ⓓ E 70 Ⓓ	10		091	79	76	08	18					RB
10459	—	—	R	0600	80 Ⓓ E 150 Ⓓ / Ⓓ	7		098	78	74	06	30					RB
10459	—	—	R	1200	15 Ⓓ E 30 Ⓓ	10		119	79	75	04	17					RB
10459	090	5	R	1800	15 Ⓓ E 70 Ⓓ	10		115	79	75	03	16					GN
							22 MARCH										
10459	—	—	R	0000	E 20 Ⓓ	10		112	81	75	04	14					GN
10357	136	11	R	0600	[illegible]	10		108	80	69	06	15					GN
10358	131	10	R	1200	E 20 Ⓓ	8	R--	125	79	68	09	17					GN
10258	110	10	R	1800	50 Ⓓ [illegible]	10		096	78	71	11	16		FEW [illegible]			JC

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OPNAV FORM—3140-8 (3-53) FORMERLY
NAVAER 443A2A

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(SHIP STATION)

WBANIIA

U.S.S. GEORGE EASTMAN (YAG 39) STATION _____ LATITUDE _____ LONGITUDE _____ DATE 26 MARCH 19 67

POSITION QLLII 1A	COURSE 1B	SPD. 1C	TYPE 1	TIME (GCT) 2	SKY AND CEILING (HUNDREDS OF FEET) 3	VISIBILITY (NAUT. MILES) 4	WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. (MBS.) 6	TEMP. (°F.) 7	DEW PT. (°F.) 8	WIND DIRECTION 9	WIND SPEED (KTS.) 10	WIND CHARACTER AND SHIFTS 11	ALTIMETER SET. (INS.) 12	REMARKS AND SUPPLEMENTAL CODED DATA 13 14A 14B	OBSERVERS INITIALS 15
10258	228	11	R	0000	20①	10		108	79	72	13	17				GC
10159	210	11	R	0600	15①25①[illegible]	10		098	78	72	10	15				GC
10059	210	9	R	1200	15①	10		119	77	72	08	18				GC
60160	210	9	R	1800	15①	10		112	74	72	06	21				RB
							27 MARCH									
60061	—	—	R	0000	20①	10		108	82	71	10	19				RB
60061	—	—	R	0600	15①	10		095	79	73	09	12				RB
60061	—	—	R	1200	20①	10		112	77	73	07	13			TCU SW	RB
60061	—	—	R	1800	20①	10		105	77	74	09	15				GN
							28 MARCH									
60061	—	—	R	0000	20①	10		108	82	74	08	12				GN
60061	—	—	R	0600	20①	10		088	83	74	04	11				GN
60061	—	—	R	1200	20①E70①	10		112	77	73	05	16				GN
60061	—	—	R	1800	20①	10		102	77	73	07	16				GC
							29 MARCH									
60159	125	11	R	0000	20①	10		102	80	73	07	15				GC
60159	125	11	R	0600	20①/-①	10		081	80	73	11	15				GC
60358	135	11	R	1200	20①E80①/①	7		081	79	74	09	21				GC
60257	123	11	R	1800	20①E20①	7		079	78	75	10	17				GN
							30 MARCH									
60357	121	11	R	0000	15①10X①20①	10		075	81	75	10	29			TCU NW-N	RB
60356	119	8	R	0600	10①E25①30①	7		075	77	75	08	20			ALTO CUMULUS	RB
60456	120	8	R	1200	10①/-①	10		085	79	74	08	15				RB
60455	117	11	R	1800	20①	10		085	80	73	03	23				GN
							31 MARCH									
60455	000	11	R	0000	20①	10		091	84	73	04	15				GN
60455	—	—	R	0600	20①	10		085	80	73	08	17				GN
60455	—	—	R	1200	20①E30①	10		102	80	74	07	24				GN
60455	—	—	R	1800	20①/-①	10		088	79	72	09	23				GC

C70460

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN (YAG-39) | STATION | LATITUDE | LONGITUDE | DATE [illegible] 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04																								
05																								
06	29.90	75.8	71.2	81	9	3	Sc	15	1	AC	70	4	5	AC	E120	9	0			9		25.4		110803
07																								
08																								
09																								
10																								
11																								
12	29.90	74.8	71.0	84	5	3	Sc	15	2	AC	70	5	0			5	0			5		75.4		110803
13																								
14																								
15																								
16																								
17																								
18	29.90	74.8	70.5	81	8	6	Cu	E15	1	AC	80	7	1	AC	140	8	0			8		75.5	100803	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

$YQL_aL_aL_a$	$L_QL_QL_QGG$	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N_hC_Lh C_MC_H	D_sV_s app	$8N_SCh_sh_s$	$9S_pS_ps_ps_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	$\emptyset T_sT_sT_dT_d$	WAVES SEA $1d_wd_wP_wH_w$	WAVES SWELL $1d_wd_wP_wH_w$	WAVES SEA d_wd_w	WAVES SEA P_wP_w	WAVES SEA H_wH_w	WAVES SWELL d_wd_w	WAVES SWELL P_wP_w	WAVES SWELL H_wH_w	ON OFF STA.	D_sV_s app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
	00																									
	03																									
7	205	581	06	70707	98024	10	14624	24.2	21.8		25470	44322	82615	*	24.1	-0.1	00021		11142			11	08	02		44322	20.7
			09																							
7	1854	580	12	7[illegible]	[illegible]802[illegible]	10	10424	[illegible]	21.7		25470	44063	82615		24.1	-0.5	05121		11142			11	08	02		[illegible]	[illegible]
			15																							
7	1836	581	18	6	11184	9024	10	14624	23.8	21.1		52470	44355	83615		24.2	-0.4	05120		11032		10	06	02		[illegible]	20.4
			21																							

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C_2KD_{ire}	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122 SUNRISE SUNSET

* 84362

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN (YAG-39) | STATION | LATITUDE | LONGITUDE | DATE 12 MARCH 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.93	78.5	72.5	75	7	1	CU	15	6	AC	6120	7	0			7	0			6		720	100615	
01																								
02																								
03																								
04																								
05																								
06	29.90	76.2	72.4	84	5	1	CU	15	3	SC	40	4	1	AC	120	5	0			5		744	050032	
07																								
08																								
09																								
10																								
11																								
12	29.90	76.0	72.0	83	1	1	CU	15	0			1	0			1	0			1		744	050003	
13																								
14																								
15																								
16																								
17																								
18	29.88	74.4	72.0	91	3	3	CU	15	0			3	0			3	0			3		77.1	070003	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_o$L$_o$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
11[illegible]	52 00	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	*	[illegible]	[illegible]	[illegible]	1033		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
	03																									
11[illegible]	57 06	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	10532		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	21.6
	09																									
11.62	57 12	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	10532		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
	15																									
11[illegible]	59 18	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	10732		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_{ire}$	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122 SUNRISE SUNSET

* 85306

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN YAG-39 | STATION | LATITUDE | LONGITUDE | DATE 13 MARCH 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.868	84.3	75.1	65	4	4	Cu	15	0			4	0			4	0			4		72	30603	
01																								
02																								
03																								
04																								
05																								
06	29.740	81.0	73.0	68	1	1	Cu	15	0			1	0			1	0			1		79.7		130703
07																								
08																								
09																								
10																								
11																								
12	29.890	78.0	73.0	79	1	1	Cu	12	0			1	0			1	0			1		75.3		120603
13																								
14																								
15																								
16																								
17																								
18	29.860	77.6	73.6	83	3	3	Cu	15	0			3	0			3	0			3		79.2		120603
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_0$L$_0$L$_0$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	115	116	117
24	598 00	34014	7864	12	1-629	29.2	23.1		31700	19812	82815		24.1	4.1	08824	11332				24.8
	03																			
24	577 06	11310	7831	13	08827	27.2	22.8		11400	47203	82815		26.2	4.1	08121		11332			24.9
	09																			
24	604 12	13714	9802	12	13926	25.6	22.8		11400	47803	81812		26.2	3.6	08122		11232			23.6
	15																			
24	606 18	20718	9802	10	09425	25.3	23.1		22400	43305	82015		26.2	2.7	08224		11232			23.4
	21																			

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_{ire}$	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122 SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE COTTMAN YMS-389 | STATION | LATITUDE | LONGITUDE | DATE 14 MARCH 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.940	82.9	75.0	70	2	2	Cu	20	0			2	0			2	0			2		82	070603	
01																								
02																								
03																								
04																								
05																								
06	29.940	79.0	74.5	81	6	6	Cu	020	0			6	0			6	0			6		79.0	060603	
07																								
08																								
09																								
10																								
11																								
12	29.940	78.3	75.5	91	4	4	Cu	20	0			4	0			4	0			4		78.4	080603	
13																								
14																								
15																								
16																								
17																								
18	29.938	78.8	76.0	88	9	6	Cu	E20	2	AC	120	8	1	Cu	/	9	0			8		78.8	080604	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch_sh$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
[illegible]	00	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	10732		07	[illegible]	[illegible]					[illegible]	[illegible]
	03																									
[illegible]	06	50422	[illegible]	[illegible]	11226	78.1	25.4		25500	42105	83820		24.1	0.0	00023	10632		06	06	02					[illegible]	[illegible]
	09																									
[illegible]	12	50423	[illegible]	[illegible]	10926	25.7	24.2		21500	43104	83920		24.0	-0.3	05124	10632		06	06	02					[illegible]	[illegible]
	15																									
[illegible]	18	70424	[illegible]	[illegible]	10826	26.0	24.4		22571	43303	83920		26.0	0.0	00024	10932		09	06	02					[illegible]	[illegible]
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☐ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☐ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_{ire}$	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE FARTHMAN YAG-39 | STATION | LATITUDE | LONGITUDE | DATE 15 MARCH 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.790	81.9	77.6	72	3	3	CU	20	0	Ci	/	3	0			3	0			3		80.6	080704	
01																								
02																								
03																								
04																								
05																								
06	[illegible]	81.6	77.4	85	7	4	Cu	15	1	Sc	20	3	4	K	Fog	7	0			6		80.6	080704	
07																								
08																								
09																								
10																								
11																								
12	29.810	79.4	76.4	88	4	3	Cu	15	1	Sc	80	4	0			4	0			4		80.6	070604	
13																								
14																								
15																								
16																								
17																								
18	29.810	79.9	76.2	85	3	2	Cu	15	1	Sc	80	3	0			3	0			3		80.6	070604	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQLaLaLa	LoLoLoGG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	NhCLh CMCH	DsVs app	8NsChshs	9SpSpspsp	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	0TsTsTdTd	WAVES SEA 1dwdwPwHw	WAVES SWELL 1dwdwPwHw	WAVES SEA dwdw	WAVES SEA PwPw	WAVES SEA HwHw	WAVES SWELL dwdw	WAVES SWELL PwPw	WAVES SWELL HwHw	ON OFF STA.	DsVs app	DEW POINT (Deg. & 10ths)
97	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
41083	00	[illegible]	[illegible]	[illegible]	10529	29.4	25.3		21501	43912	82820		27.0	2.4	00524	10832		03	07	02					45112	23.3
	03																									
41078	06	[illegible]	[illegible]	[illegible]	[illegible]	27.6	25.2		28470	43105	81815		27.0	0.6	00124	10732		02	07	02					43109	24.4
	09																									
41[illegible]	12		[illegible]		[illegible]	26.3	24.7		32160	43400	82815		27.2	-0.9	00524	10732		02	06	02					[illegible]	24.1
	15																									
41045	18	20013	78025		11227	26.6	24.6		22910	44010	82815		27.0	-0.4	05124	10732		03	06	02					44112	23.8
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☒ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C2KDire	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
GEORGE EASTMAN YAG 39				16 MARCH 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.78	55.2	77.2	70	4	4	CU	20	0			4	0			4	0			4		21.0	270604	
01																								
02																								
03																								
04																								
05																								
06																								
07																								
08																								
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22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_o$L$_o$L$_o$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
9116	22 00	2811	9864													10732		07	26	04						
	03																									
	06																									
	09																									
	12																									
	15																									
	18																									
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_{ir}$e	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN YAG 39 | STATION | LATITUDE | LONGITUDE | DATE 19 MARCH 67

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00																								
01																								
02																								
03																								
04																								
05																								
06	29.300	82.0	76.8	79	7	J	Sc	E20	O			7	O			7	O			7		80.0	080605	
07																								
08																								
09																								
10																								
11																								
12	29.820	81.9	76.2	79	8	8	Sc	E20	O			8	O			8	O			8		81.0	080605	
13																								
14																								
15																								
16																								
17																								
18	29.782	78.0	75.0	87	9	3	Cu	15	5	Sc	E25	8	1	Cu	/	9	O			9		81.0	080505	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$C$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
	00																									
	03																									
11059	610	06 1119	7802/	10	10824	23.8	19.7		64500	33212	86620		27.0	0.3	86224	10833		08	16	03					35.2	23.5
		09																								
11[illegible]	[illegible]	12 7/130	78616	10	10827	24.4	24.6		7/5100	33505	87620		[illegible]	0.2	80033	10863		08	06	[illegible]					[illegible]	23.9
		15																								
11049	607	18 7128	77851	10	10826	25.6	23.9		66401	34210	88815	*	27.2	-1.6	85323	10823		08	05	03					34.2	33.2
		21																								

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

GG	C$_2$KD$_1$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

* 84625

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
GEORGE EASTMAN YAG-39				20 MARCH 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA														TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES	SWELL WAVES
						LOWEST LAYER			SECOND LAYER			SUMMATION TOTAL	THIRD LAYER			SUMMATION TOTAL	FOURTH LAYER						DIRECTION PERIOD HEIGHT	DIRECTION PERIOD HEIGHT
						AMT.	TYPE & DIR.	HEIGHT	AMT.	TYPE & DIR.	HEIGHT		AMT.	TYPE & DIR.	HEIGHT		AMT.	TYPE & DIR.	HEIGHT					
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.770	83.0	76.0	73	5	4	Cu	2c	1	Ci	/	5	0			5	0			4		81.3	080606	
01																								
02																								
03																								
04																								
05																								
06	29.760	80.2	75.4	80	5	4	Cu	2c	1	Ci	/	5	0			5	0			4		81.3	080604	
07																								
08																								
09																								
10																								
11																								
12	29.800	76.8	73.0	83	8	2	Cu	15	5	Sc	E20	7	1	Ci	/	8	0			7		81.3	080604	
13																								
14																								
15																								
16																								
17																								
18	29.800	79.2	74.1	96	10	8	Sc	E20	1	Ac	70	9	T	Ci	/	10	0			9		81.3	080703	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQLoLoLo	LoLoLoGG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	NhCLh CMCH	DsVs app	8NsChshs	9SpSpspsp	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØTsTsTdTd	WAVES SEA 1dwdwPwHw	WAVES SWELL 1dwdwPwHw	WAVES SEA dwdw	WAVES SEA PwPw	WAVES SEA HwHw	WAVES SWELL dwdw	WAVES SWELL PwPw	WAVES SWELL HwHw	ON OFF STA.	DsVs app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
21047	604 00	40714	78024	10	09828	28.3	24.4		32501	00812	83820		27.4	0.9	00223	10834		08	06	04					00812	22.9
	03																									
21045	601 06	40723	78024	10	10227	26.8	24.1		32501	32217	83820		27.4	-0.6	05123	10832		08	06	02					32217	23.9
	09																									
21042	598 12	60823	78024	10	08828	24.7	22.8		64401	32712	82815	*	27.4	-4.6	05522	10832		08	06	02					32712	21.9
	15																									
21038	594 18	30128	97616	10	10824	24.0	23.4		64571	32112	86620		27.4	-3.4	05723	10832		08	07	02					32112	-3.6
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

GG	C_2KD_{ire}	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

A 24:20

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
GEORGE [illegible] AN [illegible]				21 [illegible] 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.750	79.0	76.5	90	9	5	Cu	15	4	AC	E70	9	0			9	0			7		81.0	080703	
01																								
02																								
03																								
04																								
05																								
06	29.730	78.0	75.3	88	10	3	Cu	8	4	SC	E15	9	1	Cu	4	10	0			9		81.0	070803	
07																								
08																								
09																								
10																								
11																								
12	29.22[illegible]	73.5	75.6	88	10	1	Cu	15	3	AC	E10	4	0				0			0		81.0		LWSW 02
13																								
14																								
15																								
16																								
17																								
18	29.820	79.0	76.0	87	8	3	Cu	15	5	AC	E70	10	0			10	0			8		81.0	[illegible]	090705
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQLaLaLa	LoLoLoGG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	NhCLh CMCH	DsVs app	8NsChshs	9SpSpSpSp	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØTsTsTdTd	WAVES SEA 1dwdwPwHw	WAVES SWELL 1dwdwPwHw	WAVES SEA dwdw	WAVES SEA PwPw	WAVES SEA HwHw	WAVES SWELL dwdw	WAVES SWELL PwPw	WAVES SWELL HwHw	ON OFF STA.	DsVs app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
31038	594 00 03	[illegible]			09126	26.1	24.7		[illegible]	[illegible]	84915	*	27.2	-1.1	05274	10332		[illegible]							[illegible]	
31038	594 06 09	[illegible]			09926	25.6	24.1		14301	00212	82808	*	27.2	-1.6	05324	10712		07108	02						00212	23.5
31038	594 12 15	20[illegible]	[illegible]	10	10926	25.4	24.2		1142/	00003	81815	○	27.2	-1.4	05324		14911				42 /	01			00003	23.6
31038	594 18 21	[illegible]	[illegible]	10	10524	24.1	24.4		1510	21303	88815	△	27.2	-1.1	05224		10933				03	01	03		21303	24.8

WINDS ARE OBTAINED AS FOLLOWS:	
☑ MEASURED	☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below:			
☑ 1/10°C	☐ 1/10°F	☐ °C	☐ °F

GG	$C_2KD_{ir}e$	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

ET
* 33530
* 85615
○ 87458
△ 84357

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63)

WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN YAG 39 | STATION | LATITUDE | LONGITUDE | DATE 22 MARCH 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.80	34.7	26.8	32	7	7	Cu	020	0			7	0			7	0			7		31.0		CMASON4
01																								
02																								
03																								
04																								
05																								
06	29.82	79.5	71.7	69	10	4	Sc	20	6	Ac	030	10	0			10	0			8		52.0	160/20	
07																								
08																								
09																								
10																								
11																								
12	29.850	78.6	71.9	70	10	10	Sc	020	0				0				0			10		80.0	080/01	
13																								
14																								
15																								
16																								
17																								
18	29.770	77.8	73.2	80	8	0	Cu	15	2	Sc	25	2	4	Ac	6100	6	2	Ci	/	6		22.6	110/04	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	115	116	117
00	29.8	34.7	26.8	32	10271	37.4	24.1		60/20	00/25	00/00		36.2	-0.1	0032	1912	1492			
03																				
06	29.8	79.5	71.7	69	10524	26.7	22.2		36/20	23/13	00/00	5		1.1	0320	1089				
09																				
12	29.7	81.1	78.3	94	10526	28.9	21.9		85/40	31/13	60/40		37.0	-1.1	0522	0834				
15																				
18	29.6	57.6	48.0	76	10826	25.5	22.7		28471	25309	60005		24.0	-2.5	0522	1132				
21																				

WAVES SEA d$_w$d$_w$	P$_w$P$_w$	H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	P$_w$P$_w$	H$_w$H$_w$
109	110	111	112	113	114
			17	1	02
05	05	04			
06	06	04			
11	06	02			

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_1$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE 0731 SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63)

WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
[illegible] YAG-39				26 [illegible] 67

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA														TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES	SWELL WAVES
						LOWEST LAYER			SECOND LAYER			SUMMATION TOTAL	THIRD LAYER			SUMMATION TOTAL	FOURTH LAYER								
						AMT.	TYPE & DIR.	HEIGHT	AMT.	TYPE & DIR.	HEIGHT		AMT.	TYPE & DIR.	HEIGHT		AMT.	TYPE & DIR.	HEIGHT				DIRECTION PERIOD HEIGHT	DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.830	77.2	74.0	90	8	2	Cu	20	0			2	0			2	0			2		80.6	120603	
01																								
02																								
03																								
04																								
05																								
06	29.770	77.5	73.5	83	7	1	Cu	15	2	Sc	35	3	1	Ac	120	4	3	Cu	4	4		60.6	120603	
07																								
08																								
09																								
10																								
11																								
12	29.830	77.0	73.4	84	2	2	Cu	15	0			2	0			2	0			2		79.7	100603	
13																								
14																								
15																								
16																								
17																								
18	29.810	74.0	72.8	94	2	2	Cu	15	0			2	0			2	0			2		79.7	110603	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_o$L$_o$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
11015	579	21317	3802/		108 24	26.2	23.8		21500	54519	828210		27.8	-2.6	05322	11232		17	06	02					54 519	25.2
		03																								
11009	585	06 1015	3802/		098 35	25.3	23.1		20421	54367	828815		22.0	-1.7	05322	11232		13	06	02					54367	22.2
		09																								
11004	592	12 20818	3802/		119 25	25.0	23.0		21400	53710	828815		26.5	-1.5	05322	11032		10	06	02					53710	22.2
		15																								
11001	597	18 20621	3802/		111223	23.3	22.7		21400	53305	828815		24.5	-1.2	05622	11132		11	06	02					53305	22.4
		21																								

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_j$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63)

WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN YAG-39 | STATION | LATITUDE | LONGITUDE | DATE 27 MARCH 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.800	81.6	74.3	71	2	2	CU	20	0			2	0			2	0			2		80.1		100703
01																								
02																								
03																								
04																								
05																								
06	29.760	78.5	74.4	83	4	4	SC	15	0			4	0			4	0			4		80.1		080703
07																								
08																								
09																								
10																								
11																								
12	29.810	77.0	74.2	88	5	5	CU	20	0			5	0			5	0			5		80.0		080802
13																								
14																								
15																								
16																								
17																								
18	29.790	77.8	74.5	89	4	4	CU	20	0			4	0			4	0			4		80.0		080802
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_a$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch_sh$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
26003	610 00	21019	9802/	10	10828	27.6	23.5		21500	00608	82820		26.7	0.9	00222		11032				10	07	02		00608	21.8
	03																									
26003	610 06	30912	9803/	10	09526	25.8	23.6		34400	00305	83615		26.7	-0.9	05223		10832				08	01	02		00305	22.7
	09																									
26003	610 12	40713	9802/	10	11225	25.0	23.4		42500	00000	84820		26.7	-1.7	05323		10841				08	08	01		00000	22.8
	15																									
26003	610 18	30915	9802/	10	10525	25.0	23.6		31500	00209	88820		26.7	1.9	00423		10841				08	08	01		00205	23.1
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_j$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN YAG-39 | STATION | LATITUDE | LONGITUDE | DATE 28 MARCH 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.800	82.2	76.0	76	4	4	CU	20	0			4	0			4	0			4		79.8		080802
01																								
02																								
03																								
04																								
05																								
06	29.740	82.5	76.0	74	3	3	CU	20	0			3	0			3	0			3		79.8		080802
07																								
08																								
09																								
10																								
11																								
12	29.810	76.5	74.0	89	8	4	Cu	20	4	AC	670	8	0			8	0			8		78.8		100102
13																								
14																								
15																								
16																								
17																								
18	29.780	76.8	73.8	87	2	2	Cu	20	0			2	0			2	0			2		80.0		070602
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_s$Ch_sh$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
36 003	60 00	30812	9802/	10	10823	27.9	24.4		31500	00818	83820		26.6	1.3	00323		10841				08	08	01		00805	23.3
	03																									
36 003	60 06	20911	9802/	10	08828	28.1	24.4		21500	00805	83820		26.6	1.5	00323		10841				08	08	01		00305	23.1
	09																									
36 003	60 12	60516	9802/	10	11225	24.7	23.3		31570	00805	83820	△	26.6	1.9	05423		11031				10	07	01		00405	23.8
	15																									
36 003	60 18	20716	9802/	10	10225	24.1	23.2		21509	00212	82820		26.7	-1.8	05423		10731				07	04	01		00212	22.6
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_i$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN V/AG 39 | STATION | LATITUDE | LONGITUDE | DATE 29 MARCH 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.780	80.2	75.0	78	2	2	Cu	20	0			2	0			2	0			2		79.2	080605	
01																								
02																								
03																								
04																								
05																								
06	29.720	79.8	75.0	80	6	2	Cu	20	4	Cl	/	6	0			6	0			2		80.6	100604	
07																								
08																								
09																								
10																								
11																								
12	29.720	78.8	75.2	85	7	2	Cu	20	4	AC	680	6	1	Cl	/	7	0			6		79.5	100604	
13																								
14																								
15																								
16																								
17																								
18	29.710	78.0	75.8	90	9	4	Cu	20	5	Sc	625	9	0			9	0			9		79.5	090604	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQLₒLₒLₒ	LₒLₒLₒGG		Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	NhCLh CMCH	DsVs app	8NsCh sh s	9SpSpSpSp	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØTsTsTdTd	WAVES SEA 1dwdwPwHw	WAVES SWELL 1dwdwPwHw	WAVES SEA dwdw	WAVES SEA PwPw	WAVES SEA HwHw	WAVES SWELL dwdw	WAVES SWELL PwPw	WAVES SWELL HwHw	ON OFF STA.	DsVs app	DEW POINT (Deg. & 10ths)
91	92		93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
46012	591	00	20715	9802/	10	10227	26.8	23.9		21500	34610	82820		26.2	0.6	00123	10833		08	06	03					34610	22.7
		03																									
46016	586	06	51115	9802/	10	08127	26.6	23.9		21501	34207	82820	*	27.0	-0.4	05123	11032		10	06	02					34207	22.8
		09																									
46021	580	12	60721	9725/	10	08126	26.0	24.0		22571	34812	82820	=	26.4	-0.4	05123	11032		10	06	02					34812	23.2
		15																									
46020	571	18	71017	9802/	10	07826	25.6	24.3		78500	34210	83820	Δ	26.4	-0.8	05224	11932		09	06	02					34210	23.9
		21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C2KDire	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122 SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN YAG-39 | STATION | LATITUDE | LONGITUDE | DATE 30 MARCH 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.700	80.5	76.6	84	4	1	Cu	15	2	Ac	100	3	1	Ac	120	4	0			4		80.5	100704	
01																								
02																								
03																								
04																								
05																								
06	29.700	77.2	75.5	92	10	3	Cu	10	6	Sc	E25	9	1	As	80	10	U			10		81.0		090705
07																								
08																								
09																								
10																								
11																								
12	29.725	79.0	75.4	85	7	3	Cu	10	4	Ci	/	7	0			7	0			3		79.3		090704
13																								
14																								
15																								
16																								
17																								
18	29.730	79.9	75.0	80	4	4	Cu	15	0			4	0			4	0			4		80.1	050605	050605
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch_sh$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	115	116	117
56032	565 00	31029	9801/	10	07527	26.9	24.8		12470	33817	81815		26.9	0	00024	11032			33817	23.9
	03																			
56034	561 06	80820	9715810		07525	25.1	24.2		7442/	33217	82810	*	27.2	-2.1	05424		10933		33217	23.8
	09																			
56036	557 12	60815	9803/	10	08526	26.1	24.1		21401	33815	82810	⊙	26.3	-0.2	00023		10932		33815	23.3
	15																			
56039	553 18	30323	9812/	10	08527	26.6	23.9		31400	34212	83815		26.7	-0.1	00023	10533	10533		34212	22.8
	21																			

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_j$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

* 85625
⊙ 8301/

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN YAG 39 | STATION | LATITUDE | LONGITUDE | DATE 31 MARCH 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMID. (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.750	83.5	76.0	71	3	3	Cu	20	0			3	0			3	0			3		80.0	090606	
01																								
02																								
03																								
04																								
05																								
06	29.730	80.0	75.0	79	4	4	Cu	20	0			4	0			4	0			4		80.0	090504	
07																								
08																								
09																								
10																								
11																								
12	29.780	79.6	75.3	82	8	3	Cu	20	5	Ac	080	8	0			8	0			8		80.0	090504	
13																								
14																								
15																								
16																								
17																								
18	29.740	79.0	74.2	80	6	2	Cu	20	4	Ci	1	6	0			6	0			2		80.0	090604	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_o$L$_o$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_s$C$_s$h$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	115	116	117
66042	550 00	20415	9802/	10	09129	28.6	24.4		21500	84808	82820		26.7	1.9	00423	10934			84808	22.8
	03																			
66040	550 06	30817	9802/	10	08527	26.7	23.9		31500	00105	83820		26.7	0.0	00023	10922			00105	22.8
	09																			
66040	550 12	40724	9802/	10	10226	26.4	24.1		21570	00103	82820	Δ	26.7	-0.3	05123	10922			00103	23.1
	15																			
66040	550 18	30923	9802/	10	08826	26.1	23.4		21501	00110	82820	*	26.7	-0.6	05122	10932			00110	23.3
	21																			

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$K$_D$i$_r$e	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

84358 Δ

* 8301/

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM—3140-8 (3-53) FORMERLY NAVAER 443A2A

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(SHIP STATION)

WBANIIA

U.S.S. GEORGE EASTMAN (YAG-39) STATION _____ LATITUDE _____ LONGITUDE _____ DATE 01 APRIL 1967

POSITION QLLII 1A	COURSE 1B	SPD. 1C	TYPE 1	TIME (GCT) 2	SKY AND CEILING (HUNDREDS OF FEET) 3	VISIBILITY (NAUT. MILES) 4	WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. (MBS.) 6	TEMP. (°F.) 7	DEW PT. (°F) 8	WIND DIRECTION 9	WIND SPEED (KTS.) 10	WIND CHARACTER AND SHIFTS 11	ALTIMETER SET. (INS.) 12	REMARKS AND SUPPLEMENTAL CODED DATA 13 14A 14B	OBSERVERS INITIALS 15
60455	—	—	R	0000	20①/-④	10		081	80	73	08	16				SC
60455	—	—	R	0600	20①/-④	10		088	80	74	08	18				SC
60455	—	—	R	1200	20①/-④	10		102	79	74	07	16				SC
60455	—	—	R	1800	15①100①/-④	10		102	79	74	05	13				RB
							2 APRIL									
60455	—	—	R	0000	20①U④	10		098	81	71	04	16				RB
60455	208	6	R	0600	20①E100④/④	10		102	80	74	03	18				RB
60556	208	7	R	1200	25①100①/-④	10		098	80	73	03	08				RB
60656	140	6	R	1800	15①C80①120④	10		108	40	73	04	16			BINOVC 5	SA
							3 APRIL									
60656	—	—	R	0000	15①U④	10		091	86	71	07	11				G
60656	—	—	R	0600	15①	10		088	81	74	10	08				G
60656	—	—	R	1200	15①	10		095	81	74	06	13				G
60656	—	—	R	1800	15①25①/①	10		091	81	74	08	08			CBE	G
							4 APRIL									
60656	—	—	R	0000	12①E25①	10		081	80	73	08	10			TCU ALQDS	SC
60656	—	—	R	0600	12①25①	10		071	80	76	06	13			CB S-W RWY W	SC
60656	—	—	R	1200	15①	10		088	80	76	07	12				GC
60656	—	—	R	1800	10①25①/①	10		088	79	76	07	14			TCU ALQDS	RB
							5 APRIL									
60657	244	11	R	0000	E20①70①	10		081	82	74	06	13				RB
60658	244	11	R	0600	15①80①	7		068	80	75	06	08			CB SW	RB
60759	244	11	R	1200	15①	10		088	81	74	06	19				RB
60760	244	11	R	1800	15①/-④	10		078	81	74	06	10				GC
							6 APRIL									
[illegible]	244	11	R	0000	20①	10		075	83	74	07	09				SA
60962	244	11		0600	20①/-④	10		075	83	73	06	16				SA
60962	244	11	R	1200	20①U④	10		091	83	75	05	08				GM
60963	244	11	R	1800	15①E100④/④	7	RW-	081	81	77	05	13				GC
							7 APRIL									
61064	244	11	R	0000	E120①/④	7	RW-	091	81	76	05	12				GC
61065	244	11	R	0600	15①E70④/④	8		088	80	75	03	14				GC
61066	244	11	R	1200	15①70①U④	10		102	82	76	08	11			-W-RW	GC
61167	229	11	R	1800	10①25①E100①/④	7		098	81	76	08	08			CB S-W RWU NW	RB
							8 APRIL									
61267	244	11	R	0000	15①12000U④	10		098	81	77	06	18			CB ALQDS	RB
61268	231	11	R	0600	15①E70④N200/④	10		085	82	75	05	13			CB SE	RB
61369	231	11	R	1200	80①/-④	10		098	82	77	05	15				RB
61468	236	11	R	1800	E15①/④	10		081	82	77	06	10			TCU	GM

C70460

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN (YAG-39) | STATION | LATITUDE | LONGITUDE | DATE 01 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.720	80.0	74.8	78	6	2	Cu	20	4	Ci	/	6	0			6	0			2		80.0	080604	
01																								
02																								
03																								
04																								
05																								
06	29.740	80.2	75.4	88	6	1	Cu	20	5	Ci	/	6	0			6	0			2		78.8	080603	
07																								
08																								
09																								
10																								
11																								
12	29.780	79.4	75.6	84	7	3	Cu	20	4	Ci	u	7	0			7	0			4		79.8	080603	
13																								
14																								
15																								
16																								
17																								
18	29.780	79.0	75.6	86	9	1	Cu	15	1	Ac	100	2	7	Cc	/	9	0			3		79.8		070603
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
76040	550 00	50816	7802/	10	08127	26.7	23.8		21501	00710	82820	*	26.7	0.0	05023	10832		08	06	02					00710	22.6
	03																									
76040	550 06	50818	9802/	10	08827	26.8	24.1		12501	00110	81820	#	26.6	0.2	05023	10832		08	06	02					00110	23.1
	09																									
76040	550 12	60716	9800/	10	10226	26.3	24.2		22501	00400	82820	+	26.6	-0.3	05123	10832		08	06	02					00400	23.4
	15																									
76040	550 18	70513	9802/	10	10226	26.1	24.2		11479	00315	81815	△	26.6	-0.5	05124		10732				07	06	02		00315	23.5
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☐ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_1$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122 SUNRISE SUNSET

* 830 11
\# 840 11
+ 830 11
△ 861 11

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN YAG-39 | STATION | LATITUDE | LONGITUDE | DATE 2 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.765	80.5	73.9	73	7	5	Cu	20	2	Cc	U	7	0			7	0			5		79.8		050703
01																								
02																								
03																								
04																								
05																								
06	29.780	80.4	75.5	80	9	4	Sc	20	2	Ac	E100	6	3	Cc	/	9	0			6		80.0		070603
07																								
08																								
09																								
10																								
11																								
12	29.770	79.9	75.0	80	10	3	Cu	25	2	AS	100	5	5	CS	/	10	0			5		80.0		050703
13																								
14																								
15															/									
16																								
17																								
18	29.800	79.8	75.2	81	10	3	Cu	15	5	AC	E80	8	2	AC	120	10	0			9		80.0		050703
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_o$L$_o$L$_a$	L$_o$L$_o$L$_o$GG		Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92		93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
16040	550	00	60416	9802/	10	09827	26.9	23.3		42509	00714	84820		26.6	0.3	00022		10532				05	07	02		00714	21.8
		03																									
16043	551	06	70318	9803/	10	10227	26.9	24.2		35579	52219	83620		26.7	0.2	00023		10732				07	06	02		52219	23.1
		09																									
16049	555	12	80308	9802/	10	09827	26.6	23.9		22516	53814	82825	*	26.7	-0.1	00023		10532				05	07	02		53814	22.8
		15																									
16055	560	18	70110	9802/	10	10827	26.5	24.0		22470	52212	82815	*	26.7	-0.2	00023		10532				05	07	02		52212	23.0
		21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_{ire}$	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

* 84211
* 84358

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN YAG 39 | STATION | LATITUDE | LONGITUDE | DATE 3 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.750	86.3	78.5	61	7	4	CU	15	3	CI	U	7	0			7	0			7		80.8		050504
01																								
02																								
03																								
04																								
05																								
06	29.740	80.5	76.0	81	3	3	CU	15	0			3	0			3	0			3		80.5		070504
07																								
08																								
09																								
10																								
11																								
12	29.760	81.0	76.0	80	3	3	CU	15	0			3	0			3	0			3		80.5		070504
13																								
14																								
15																								
16																								
17																								
18	29.750	81.0	76.0	80	5	3	CB	15	1	SC	25	4	1	CI	/	5	0			4		80.5		080703
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQLaLaLa	LoLoLoGG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	NhCLh CMCH	DsVs app	8NsChshs	9SpSpspsp	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØTsTsTdTd	WAVES SEA 1dwdwPwHw	WAVES SWELL 1dwdwPwHw	WAVES SEA dwdw	WAVES SEA PwPw	WAVES SEA HwHw	WAVES SWELL dwdw	WAVES SWELL PwPw	WAVES SWELL HwHw	ON OFF STA.	DsVs app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
26056	558 00	60711	9802/	10	09130	30.2	24.2		31401	00717	82815		27.1	3.1	00622		10522				05	05	02		00717	21.7
	03																									
26056	558 06	21008	9802/	10	08827	26.9	24.4		21400	00210	82815		26.9	0.0	00024		10722				07	05	02		00210	23.5
	09																									
26056	558 12	20613	9802/	10	09527	27.2	24.4		21400	00400	82815		26.9	0.3	00123		10722				07	05	02		00400	23.4
	15								33401																	
26056	558 18	40808	9802/	10	09127	27.2	24.4		29441	00107	82915		26.9	0.3	00123		10832				08	07	02		00107	23.4
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C2KDire	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN (YAG-39) | STATION | LATITUDE | LONGITUDE | DATE 04 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.720	80.2	75.2	79	7	4	Cu	12	3	Sc	E25	7	0			7	0			7		80.5		080603
01																								
02																								
03																								
04																								
05																								
06	29.690	80.0	76.4	85	5	3	CB	12	2	Sc	25	5	0			5	0			5		80.5		080603
07																								
08																								
09																								
10																								
11																								
12	29.740	79.6	77.0	89	4	4	Cu	15	0			4	0			4	0			4		80.5		080603
13																								
14																								
15																								
16																								
17																								
18	29.740	79.0	76.5	90	4	2	Cu	10	1	Sc	25	3	1	Ci	/	4	0			4		80.5		070703
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
360560	558 00	60810	98251	10	08127	26.8	24.0		64400	00717	83812		26.9	-0.1	00023		10832				08	06	02		00717	22.9
	03																									
360560	558 06	40613	98151	10	07127	26.7	24.7		43400	00303	82912		26.9	-0.2	00024		10832				08	06	02		00303	23.9
	09																									
360560	558 12	30712	98021	10	08826	26.4	25.0		32400	00812	83815		26.9	-0.5	05124		10832				08	06	02		00812	24.4
	15			10																						
360560	558 18	30714	98258	10	02826	26.1	24.7		34403	00317	82810		26.9	-0.8	05224		10732				07	07	02		00317	24.2
	21			10																						

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_j$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN YAG-39 | STATION | LATITUDE | LONGITUDE | DATE 5 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.720	82.2	76.0	75	8	7	Cu	E20	1	Ac	70	8	0			8	0			8		82.0		040603
01																								
02																								
03																								
04																								
05																								
06	29.680	79.9	76.0	84	4	4	Cb	15	0	Ac	80	4	0			4	0			4		82.9		070603
07																								
08																								
09																								
10																								
11																								
12	29.740	80.8	75.8	80	1	1	Cu	15	0			1	0			1	0			1		82.8		070703
13																								
14																								
15																								
16																								
17																								
18	29.710	81.0	75.8	79	8	4	Cu	15	4	Ci	/	8	0			8	0			4		82.6		070603
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
460600	568 00	60613	9803/	10	08128	27.9	24.4		62570	54720	86820		27.8	0.1	00023		10432				04	06	02		54720	23.0
	03																									
460603	578 06	30608	97258	10	06827	26.6	24.4		33470	54303	83915		28.3	-1.7	05324		10732				07	06	02		54303	23.6
	09																									
460609	586 12	10619	9801/	10	08827	27.1	24.3		11400	54000	81815		28.2	-1.1	05223		10732				07	07	02		54000	23.5
	15																									
460613	596 18	10610	9802/	10	08827	27.2	24.3		32401	54305	83815	*	28.1	-0.9	05223		10732				07	07	02		54305	23.2
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_{ire}$	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122 SUNRISE SUNSET

*830/

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN (YAG-39) | STATION | LATITUDE | LONGITUDE | DATE 6 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.700	83.0	78.0	59	3	3	Cu	20	0			3	0			3	0			3		82.6	060604	
01																								
02																								
03																								
04																								
05																								
06	29.700	83.0	76.0	72	6	1	Cu	20	5	Ci	/	6	0			6	0			2		82.9	061504	
07																								
08																								
09																								
10																								
11																								
12	29.750	82.5	77.0	78	3	2	Cu	20	1	Ci	0 /	3	0			3	0			2		82.5	060504	
13																								
14																								
15																								
16																								
17																								
18	29.720	80.8	78.0	88	9	4	Cu	15	2	Ac	5000	6	3	Ci	/	9	0			7		83.0	[illegible] 060603	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_o$L$_o$L$_o$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRYBULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92		93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
56076	601	00	29709	98021	10	08531	31.1	25.6		21500	94810	82820		28.1	2.0	00624	10632		06	06	02					29.10	23.5
		03																									
56034	615	06	30116	98021		08528	28.3	24.5		1501	94207	81820	A	28.3	2.0	00628	10622		06	05	02					29.20	22.9
		09																									
56086	622	12	30508	98021		08528	28.1	25.0		31500	94400	82820		28.1	3.0	00624	10622		06	05	02					29.40	23.9
		15																									
56091	633	18	30513	97801	10	08527	22.1	25.0		34171	54205	80815		28.3	-1.2	05225		10632				06	06	02		29.30	25.0
		21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_{ire}$	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122 SUNRISE SUNSET

Ø840//

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN IIB

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN (YAG-39) | STATION | LATITUDE | LONGITUDE | DATE 7 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.750	81.0	78.8	91	10	4	Cu	12	4	Sc	E12	8	2	Cs	/	10	2			10		83.5	070605	
01																								
02																								
03																								
04																								
05																								
06	29.740	80.4	76.2	83	10	3	Cu	15	3	As	E70	6	4	Cs	/	10	2			10		83.5		060604
07																								
08																								
09																								
10																								
11																								
12	29.780	81.8	77.2	84	10	2	Cu	15	3	Ac	20	5	5	Cs	/	10	0			7		83.5		060604
13																								
14																								
15																								
16																								
17																								
18	29.770	80.8	77.5	86	10	3	Cb	10	2	Sc	25	5	4	Ac	E100	9	1	Cc	/	9		83.5		080804
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_o$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	øT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
66094	6440	00 80512	97804	10	09827	27.2	26.0		62407	54815	83612	*	28.6	-1.4	05326	10733		07	06	03					54815	25.6
		03																								
66099	6449	06 80214	98254	10	08827	26.9	24.6		62427	54312	82815		28.6	-1.7	05324		10032				06	06	02		54312	23.7
		09																								
66103	6458	12 80511	99041	10	10228	27.7	25.4		62427	54803	82815		28.6	-1.1	05225		10032				06	06	02		54803	24.7
		15																								
66181	6651	18 81008	97115	10	09827	27.1	25.3		43479	54310	82910	*	28.6	-1.5	05325		10842				08	08	02		54310	24.6
		21																								

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_j$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET
* 83612
* 83360

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN (YAG-39) | STATION | LATITUDE | LONGITUDE | DATE 8 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.770	86.8	79.6	73	9	3	Cb	15	1	Ac	120	4	5	Ci	U	9	0			7		83.9		090804
01																								
02																								
03																								
04																								
05																								
06	29.725	82.4	77.0	79	9	3	Cb	15	3	Ac	E70	6	1	Ac	120	7	2	Ci	/	8		83.6		060706
07																								
08																								
09																								
10																								
11																								
12	29.770	82.0	78.2	84	10	3	Ac	80	7	Ci	/	10	0			10	0			4		83.5		050705
13																								
14																								
15																								
16																								
17																								
18	29.720	82.0	78.0	84	8	6	Cu	E15	2	Ci	/	8	0			8	0			6		83.6		070604
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$C$_h$s$_h$s$_h$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	115	116	117
76117	672 00	70618	98021	10	09830	30.4	26.4		29471	54815	82915	★	28.8	1.6	00325		10942	d$_w$d$_w$ 09		54815	25.1
	03																	P$_w$P$_w$ 08			
76124	681 06	70513	98021	10	08528	28.0	25.0		29471	54305	82915		28.7	-0.7	05124		10634	H$_w$H$_w$ 02		54305	23.9
	09																	d$_w$d$_w$ 06			
76136	680 12	80515	98031	10	09828	27.8	25.1		28971	54000	82358	⊙	28.6	-0.8	05225		10533	P$_w$P$_w$ 07		54000	25.0
	15																	H$_w$H$_w$ 03			
76137	679 18	61418	98021	10	18128	27.8	25.6		52401	54308	85815		28.7	-0.9	05225		10732	d$_w$d$_w$ 07		54328	24.8
	21																	P$_w$P$_w$ 06			
																		H$_w$H$_w$ 02			

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_1$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122

SUNRISE	SUNSET
★ 840 //	
⊙ 360 //	

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM—3140-8 (3-53) FORMERLY
NAVAER 443A2A

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(SHIP STATION)

WBANIIA

U.S.S. GEORGE EASTMAN (YAG 39) STATION _____ LATITUDE _____ LONGITUDE _____ DATE 13 APRIL 1957

POSITION QLLII 1A	COURSE 1B	SPD. 1C	TYPE 1	TIME (GCT) 2	SKY AND CEILING (HUNDREDS OF FEET) 3	VISIBILITY (NAUT. MILES) 4	WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. (MBS.) 6	TEMP. (°F.) 7	DEW PT. (°F) 8	WIND DIRECTION 9	WIND SPEED (KTS.) 10	WIND CHARACTER AND SHIFTS 11	ALTIMETER SET. (INS.) 12	REMARKS AND SUPPLEMENTAL CODED DATA 13 14A 14B	OBSERVERS INITIALS 15
				0001			13 APRIL									
6HN71	350	11	R	0000	CO ⊕ U ⊕	10		112	88	77	31	17				GN
61371	345	11	R	0600	20 ⊕ / ⊕	10		095	85	76	34	13			TCU ALQDS	GN
61271	348	11	R	1200	20 ⊕	10		115	82	76	32	10				GN
61171	348	11	R	1800	15 ⊕ / - ⊕	10		108	82	75	02	05			TCU ALQDS	GC
							14 APRIL									
61171	—	—	R	0000	15 ⊕ U ⊕	10		115	84	75	10	06				GC
61171	320	11	R	0600	15 ⊕ U ⊕	10		102	84	74	21	07			CB SW	GC
61072	320	11	R	1200	15 ⊕ / - ⊕	10		129	83	75	12	13				GC
60973	320	11	R	1800	12 ⊕ 200 / - ⊕	7		112	80	76	07	04			CB NE RWU NE	RB
							15 APRIL									
60873	339	11	R	0000	10 ⊕ BI5 ⊕	1	RQ	129	77	76	07	11			CB ALQDS	RB
60774	339	11	R	0600	15 ⊕ TB 30 ⊕	1	R	119	77	75	35	08			CB NE-TE	RB
60174	339	11	R	1200	20 ⊕ / - ⊕	10		132	80	75	01	14				RB
60075	339	11	R	1800	20 ⊕ 70 ⊕ U ⊕	10		102	80	72	04	10			CB NE	GN
							16 APRIL									
60575	341	11	R	0000	200 ⊕ 70 ⊕	10		142	82	77	01	13				GN
60475	354	11	R	0600	20 ⊕ / - ⊕	10		119	83	73	05	07				GM
60375	356	11	R	1200	15 ⊕	10		149	83	74	03	12				GN
60275	356	11	R	1800	15 ⊕ / - ⊕	10		132	80	73	06	10				GC
							17 APRIL									
60176	330	10	R	0000	20 ⊕ U / ⊕	10		142	86	74	11	06				GC
60077	270	7	R	0600	20 ⊕ / ⊕	10		125	85	73	34	06				GC
60177	003	7	R	1200	20 ⊕ / - ⊕	10		149	83	73	13	09				GC
60077	003	7	R	1800	20 ⊕ / - ⊕	15		125	78	73	12	08				RB
							18 APRIL									
10177	350	B	R	0000	20 ⊕ / ⊕	10		132	82	74	14	07				RB
60077	187	8	R	0600	20 ⊕ / - ⊕	10		112	83	73	05	10				RB
60177	187	11	R	1200	20 ⊕	10		142	80	73	08	08				RB
60277	270	11	R	1800	20 ⊕ / - ⊕	10		125	78	73	02	11				GN
							19 APRIL									
60178	264	11	R	0000	20 ⊕	10		132	83	74	34	05				GN
60178	062	11	R	0600	20 ⊕	16		108	82	73	06	11			FEW CU	GN
60178	062	11	R	1200	20 ⊕	10		134	80	73	05	15				GN
60177	270	11	R	1800	20 ⊕	10		119	79	73	04	12				GC
							20 APRIL									
60078	280	11	R	0000	15 ⊕	10		142	82	75	08	12				GC
60078	062	11	R	0600	15 ⊕	10		115	82	75	06	10				GC
10078	057	11	R	1200	15 ⊕	10		149	80	76	07	12				GC
10177	270	8	R	1800	12 ⊕	10		125	80	76	10	10				RB
							21 APRIL									
10178	270	11	R	0000	20 ⊕ / - ⊕	10		149	85	76	17	14			TCU NW-NE	RB
10178	059	8	R	0600	E 12 ⊕	10		108	81	76	11	15			CB ALQDS	RB
10177	063	9	R	1200	E 20 ⊕ / ⊕	10		135	81	76	11	18				RB
10277	270	11	R	1800	20 ⊕	10		119	80	70	09	20				GN
							22 APRIL									
10278	270	11	R	0000	20 ⊕ / - ⊕	10		132	84	74	10	20				GN
10178	106	11	R	0600	20 ⊕ / - ⊕	10		102	83	75	11	16				GN
10177	110	9	R	1200	20 ⊕	10		122	81	74	09	12				GN
10177	110	11	R	1800	20 ⊕ / ⊕	10		105	81	75	07	11				BC

C70460

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN (YAG-39) | STATION | LATITUDE | LONGITUDE | DATE 13 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.810	83.0	80.0	71	7	4	Cu	20	3	Ci	8	7	0			7	0			4		83.6	270615	0
01																								
02																								
03																								
04																								
05																								
06	29.760	84.5	78.0	75	5	2	Cu	20	3	Ci	1	5	0			5	0			4		84.0	290605	
07																								
08																								
09																								
10																								
11																								
12	29.820	81.9	77.6	83	2	2	Cu	20	0			2	0			2	0			2		83.8	290605	
13																								
14																								
15																								
16																								
17																								
18	29.800	81.8	76.5	78	7	3	Cu	15	4	Ci	1	7	0			7	0			3		83.8		040702
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQLaLaLa	LoLoLoGG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	NhCLh CMCH	DsVs app	8NsChshs	9SpSpspsp	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØTsTsTdTd	WAVES SEA 1dwdwPwHw	WAVES SWELL 1dwdwPwHw	WAVES SEA dwdw	WAVES SEA PwPw	WAVES SEA HwHw	WAVES SWELL dwdw	WAVES SWELL PwPw	WAVES SWELL HwHw	ON OFF STA.	DsVs app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
56140	705	63117	9802/	10	11231	31.1	26.7		31501	84400	83828		28.7	2.4	00525	12933		29	06	03					84400	25.8
	03																									
56130	707	06 43413	9802/	10	09529	29.2	25.6		12501	84303	81820		28.9	0.3	00124	12933		29	06	03					84305	24.2
	09																									
56122	708	12 23210	9802/	10	11528	27.7	25.3		21500	84400	82820		28.8	-1.1	05225	12933		29	06	03					84400	24.5
	15																									
56111	711	18 60205	9802/	10	10828	27.7	24.7		22401	84303	82815	*	28.8	-1.1	05224		10431				04	07	02		84303	23.6
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C2KDire	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122 SUNRISE SUNSET

* 830z

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN IIB

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN YAG-39 | STATION | LATITUDE | LONGITUDE | DATE 14 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.820	84.2	77.5	74	7	5	Cu	15	2	Ci	u	7	0			7	0			5		83.8		040702
01																								
02																								
03																								
04																								
05																								
06	29.780	82.8	77.0	73	7	4	CB	15	3	Ci	u	7	0			7	0			5		83.8		040702
07																								
08																								
09																								
10																								
11																								
12	29.060	83.0	77.0	76	4	2	Cu.	15	2	Ci	/	4	0			4	0			2		84.0		050602
13																								
14																								
15																								
16																								
17																								
18	29.810	80.1	76.9	87	10	2	Cb	12	1	Ac	120	3	7	Ci	/	10	0			4		84.0		080702
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_D$L$_D$L$_a$	L$_O$L$_O$L$_O$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch_sh$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
66110	711 00	61006	98021	10	11529	29.0	25.2		42401	00807	84815		28.8	0.2	00024		10431				04	07	01		00807	23.9
	03																									
66107	714 06	60707	98021	10	10229	28.8	25.0		33401	74303	83915		28.6	0.0	00024		10431				04	07	01		74303	23.6
	09																									
66100	719 12	31213	98021	10	12928	28.3	25.0		22401	74400	82815		28.9	-0.6	05124		10531				05	06	01		74400	23.9
	15																									
66091	727 18	30704	97151	10	11227	26.7	24.9		24711	14303	82712	*	28.9	-2.2	05424		10831				05	07	01		74303	24.3
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_I$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122 SUNRISE SUNSET

* 86011

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63)

WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
GEORGE EASTMAN YAG-39				15 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA														TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES	SWELL WAVES
						LOWEST LAYER			SECOND LAYER			SUMMATION TOTAL	THIRD LAYER			SUMMATION TOTAL	FOURTH LAYER						DIRECTION PERIOD HEIGHT	DIRECTION PERIOD HEIGHT
						AMT.	TYPE & DIR.	HEIGHT	AMT.	TYPE & DIR.	HEIGHT		AMT.	TYPE & DIR.	HEIGHT		AMT.	TYPE & DIR.	HEIGHT					
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.880	77.0	76.0	96	10	3	Cf	10	7	Cb	E15	10	U				U			10		83.9		070703
01																								
02																								
03																								
04																								
05																								
06	29.925	74.9	75.5	94	10	4	Cb	15	6	As	E80	10	U				U			10		84.0		CWFSD 03
07																								
08																								
09																								
10																								
11																								
12	29.870	79.8	75.0	80	5	1	Cu	20	4	Ci	/	5	0			5	0			2		83.5		CWFSD 03
13																								
14																								
15																								
16																								
17																								
18	29.840	79.5	74.3	79	8	1	Cu	20	4	As	70	5	3	Ci	U	8	0			6		83.6		060503
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRYBULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_s$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	115	116	117
76083	733 00	80711	95818	10	12925	25.0	21.1		834//	84810	82810	✱	28.8	-3.8	05824		10732		84810	24.2
	03																			
76073	736 06	83508	95636	10	11925	24.9	24.2		3342/	84212	83915	⊕	23.9	-4.0	05824		149/2		84212	23.9
	09																			
76066	741 12	40114	98017	10	13227	26.6	23.9		11501	84108	81820	$	23.6	-2.0	05423		149/2		84108	22.8
	15																			
76062	747 18	60410	97002/	10	12226	25.4	23.5		11521	84212	81820	Δ	23.6	-2.2	05423		10622		84212	22.3
	21																			

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_1$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122 SUNRISE SUNSET

✱ 86915
⊕ 85458
$ 830//
Δ 23457

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN VAG 39 | STATION | LATITUDE | LONGITUDE | DATE 16 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.900	81.7	78.2	86	6	3	Cu	20	3	AS	070	6	0			6	0			6		83.7		030603
01																								
02																								
03																								
04																								
05																								
06	29.830	83.0	76.0	72	8	3	Cu	20	5	Ci	/	8	0			8	0			3		84.6		050503
07																								
08																								
09																								
10																								
11																								
12	29.920	82.8	76.6	75	2	2	Cu	15	0			2	0			2	0			2		82.3		050502
13																								
14																								
15																								
16																								
17																								
18	29.870	78.8	74.8	79	7	3	Cu	15	4	Ci	/	7	0			7	0			3		81.7		050402
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQLaLaLa	L0L0L0GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	NhCLh CMCH	DsVs app	8NsChshs	9SpSpspsp	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØTsTsTdTd	WAVES SEA 1dwdwPwHw	WAVES SWELL 1dwdwPwHw	WAVES SEA dwdw	WAVES SEA PwPw	WAVES SEA HwHw	WAVES SWELL dwdw	WAVES SWELL PwPw	WAVES SWELL HwHw	ON OFF STA.	DsVs app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
16045	748 00	50113	98021	10	14228	27.6	25.7		21520	84400	82820		28.7	-1.1	05225		10332				03	06	02		84400	25.0
	03																									
16035	751 06	60507	98021	10	11128	28.3	24.9		21501	84308	82820	△	29.2	-0.9	05223		10522				05	05	02		84308	22.9
	09																									
16028	752 12	20312	98021	10	11919	28.2	24.8		21400	84806	82815		29.0	0.2	00024		10522				05	05	02		84806	2[illegible]
	15																									
16016	753 18	60610	98021	10	12227	26.6	22.8		21401	84302	82815	*	27.6	-1.0	05223		10531				05	06	01		84302	22.7
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C2KDire	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122 SUNRISE SUNSET

△ 1940 11

* 1930 11

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN IIB

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN YAG-39 | STATION | LATITUDE | LONGITUDE | DATE 17 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.900	85.5	77.0	68	3	2	Cu	20	1	Ci	/	3	0			3	0			2		82.4		070602
01																								
02																								
03																								
04																								
05																								
06	29.850	85.2	76.4	67	5	3	Cu	20	2	Ci	/	5	0			5	0			4		82.8		CNFSD 03
07																								
08																								
09																								
10																								
11																								
12	29.920	80.0	75.0	79	2	1	Cu	20	1	Ci	/	2	0			2	0			1				CNFSD 2
13																								
14																								
15																								
16																								
17																								
18	29.845	77.6	74.0	85	2	1	Cu	20	1	Ci	/	2	0			2	0			1		81.1		CNFSD 2
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQLaLaLa	LoLoLoGG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	NhCLh CMCH	DsVsapp	8NsChshs	9SpSpspsp	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØTsTsTdTd	WAVES SEA 1dwdwPwHw	WAVES SWELL 1dwdwPwHw	WAVES SEA dwdw	WAVES SEA PwPw	WAVES SEA HwHw	WAVES SWELL dwdw	WAVES SWELL PwPw	WAVES SWELL HwHw	ON OFF STA.	DsVsapp	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
26015	758 00	21104	7802/	10	14230	29.7	25.0		21501	73303	82820		28.0	1.7	00323		10731				07	06	01		23823	23.2
	03																									
26015	769 06	41104	7802/	10	12530	29.6	24.9		22501	63302	82820		28.2	1.4	00323		14912				49	11	03		63302	22.8
	09																									
26007	760 12	21109	7802/	10	14927	29.7	23.9		11301	53302	82820		27.7	-1.0	05223		14911				49	11	01		52402	22.8
	15																									
21000	765 18	21208	7802/	10	12525	25.3	23.3		11501	53303	81820		27.3	-2.0	05423		14911				49	11	01		53303	22.6
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C2KDire	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN YAG-39 | STATION | LATITUDE | LONGITUDE | DATE 18 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.870	82.0	76.2	77	1	1	Cu	20	0	Ci	/	1	0			1	0			1		81.0		140702
01																								
02																								
03																								
04																								
05																								
06	29.810	83.1	75.9	72	9	4	Cu	20	5	Ci	/	9	0			9	0			4		83.3		040802
07																								
08																								
09																								
10																								
11																								
12	29.900	79.8	75.1	81	1	1	Cu	20	0			1	0			1	0			1		82.0		060802
13																								
14																								
15																								
16																								
17																								
18	29.850	78.1	74.5	85	5	3	Cu	20	2	Ci	/	5	0			5	0			3		81.2		030603
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_o$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$ app	8N$_S$C$_s$h$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$ app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
31005	768 00	11407	9802/	10	13228	27.8	24.5		11501	83810	81820		27.2	0.6	00123		11431				14	07	01		85810	23.3
	03																									
36000	768 06	70510	9803/	10	11228	28.4	24.4		31501	42305	83820	*	28.5	-0.1	00023		10441				04	08	01		42305	22.8
	09																									
36006	768 12	10808	9801/	10	14227	26.6	23.9		11500	44219	81820		27.8	-1.2	05223		10641				06	08	01		44219	22.9
	15																									
36015	774 18	40211	9802/	10	12526	25.6	23.6		21501	308	82820		27.3	-1.7	05323		10332				03	06	02		308	22.8
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_{ire}$	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122 SUNRISE SUNSET

* 8401/

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
GEORGE EASTMAN YAG 39				19 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.870	82.9	76.0	74	3	3	Cu	20	0			3	0			3	0			3		82.0		010702
01																								
02																								
03																								
04																								
05																								
06	29.800	82.2	75.5	73	1	1	Cu	20	0			1	0			1	0			1		82.8		030702
07																								
08																								
09																								
10																								
11																								
12	29.890	80.0	74.8	79	4	4	Cu	20	0			4	0			4	0			4		81.0		CNFSD02
13																								
14																								
15																								
16																								
17																								
18	29.830	79.2	75.0	83	1	1	Cu	20	0			1	0			1	0			1		81.0		CNFSD02
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_Q$L$_Q$L$_Q$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	ON OFF STA.	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
46014	782 00	23405	9802/	10	13228	28.3	24.4		21500	84810	82820		27.8	0.6	00123		10131				04	07	01		84810	23.2
	03																									
46012	784 06	10611	7802/	10	10828	27.9	24.2		11500	14400	81820		28.2	-0.3	05123		10331				03	07	01		14400	22.7
	09																									
46011	777 12	30515	7802/	10	13927	26.7	23.8		31500	14108	83820		27.2	-0.5	05123		149/1				49	//	01		14108	22.6
	15																									
46005	773 18	10412	9802/	10	11926	26.2	23.9		12500	64302	81820		27.2	-1.0	05223		149/1				49	//	01		64302	23.0
	21																									

WINDS ARE OBTAINED AS FOLLOWS:	
☑ MEASURED	☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below:			
☑ 1/10°C	☐ 1/10°F	☐ °C	☐ °F

GG	C$_2$KD$_i$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
GEORGE EASTMAN YAG-39				20 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.900	82.0	77.2	80	1	1	CU	15	0			1	0			1	0			1		81.9		050702
01																								
02																								
03																								
04																								
05																								
06	29.820	82.0	76.6	78	1	1	CU	15	0			1	0			1	0			1		82.2		070602
07																								
08																								
09																								
10																								
11																								
12	29.915	80.4	76.8	85	1	1	CU	15	0			1	0			1	0			1		82.0		060602
13																								
14																								
15																								
16																								
17																								
18	29.850	79.9	76.8	87	1	1	CU	12	0			1	0			1	0			1		81.0		070703
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_a$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
56005	782 00	10812	9802/	10	14228	27.6	25.1		12400	64602	81815		27.7	0.1	00024		10531				05	07	01		64602	24.1
	03																									
56001	780 06	10610	9802/	10	11528	27.6	24.8		11400	14500	81815		27.9	-0.1	00024		10731				07	06	01		14500	23.7
	09																									
51001	775 12	10712	9802/	10	14927	26.9	24.9		11400	14105	81815		27.8	-0.9	05224		10631				06	06	01		14105	24.2
	15																									
51005	771 18	11010	9802/	10	12527	26.6	24.9		11400	13305	81812		27.2	-0.6	05124		10732				07	07	02		13305	24.3
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

GG	C$_2$KD$_{ire}$	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
GEORGE EASTMAN YAG-39				21 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.915	84.8	78.6	76	4	2	CU	20	2	Ci	/	4	0			4	0			2		82.0		080603
01																								
02																								
03																								
04																								
05																								
06	29.800	81.3	77.5	85	7	7	Cb	E12	0			7	0			7	0			7		81.8		090503
07																								
08																								
09																								
10																								
11																								
12	29.875	81.2	77.0	83	7	7	Cu	E20	0	Ci	/	7	0			7	0			7		81.9		090603
13																								
14																								
15																								
16																								
17																								
18	29.830	79.8	73.2	73	5	5	Cu	20	0			5	0			5	0			5		81.9		090604
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQLaLaLa	LoLoLoGG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	NhCLh CMCH	DsVs app	8NsChshs	9SpSpspsp	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØTsTsTdTd	WAVES SEA 1dwdwPwHw	WAVES SWELL 1dwdwPwHw	WAVES SEA dwdw	WAVES SEA PwPw	WAVES SEA HwHw	WAVES SWELL dwdw	WAVES SWELL PwPw	WAVES SWELL HwHw	ON OFF STA.	DsVs app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
61005	779 00	31714	9803/	10	14929	29.3	25.9		22501	64807	82820		27.8	1.5	00325		10832				08	06	02		64807	24.7
	03																									
61009	781 06	61115	9802/	10	10827	27.4	25.3		63400	13303	86912		27.7	-0.3	05125		10922				09	05	02		13303	24.5
	09																									
61013	773 12	61118	9825/	10	13527	27.3	25.0		62501	13008	86820		27.7	-0.4	05124		10932				09	06	02		13008	24.2
	15																									
61015	773 18	40920	9802/	10	11927	26.6	22.9		42500	64308	84820		27.7	-1.1	05221		10932				09	06	02		64308	21.3
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C_2KD_{ire}	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
GEORGE EASTMAN YAG 39				22 APRIL 67

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.750	84.0	77.0	73	3	1	Cu	30	2	Ci	/	3	0			3	0			1		82.0	090605	
01																								
02																								
03																								
04																								
05																								
06	29.780	83.0	76.8	76	3	1	Cu	20	2	Ci	/	3	0			3	0			1		82.2	100605	
07																								
08																								
09																								
10																								
11																								
12	29.840	81.0	76.0	80	4	4	Cu	20	0			4	0			4	0			4		81.9		090704
13																								
14																								
15																								
16																								
17																								
18	29.785	80.5	76.2	83	3	3	Cu	20	1	Ci	/	3	0			3	0			2		81.8		090804
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_o$L$_o$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
7[illegible]5	785	00	21120	9802/	10	12209	82.4	[illegible]		11501	24817	81820		27.8	0.1	00224	10133									
		03																								
71012	780	06	21116	9802/	10	10228	78.3	74.9		11501	24615	81820		27.7	0.1	00134	11033								74615	73.6
		09																								
71011	774	12	30912	9802/	10	12227	81.2	74.4		31501	23218	83820		27.7	-0.5	05123		10932							73210	73.4
		15																								
71010	7168	18	30111	7802/	10	10527	[illegible]			[illegible]	24310	83820		27.7	-0.5	05214		10732							[illegible]	[illegible]
		21																								

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_j$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM—3140-8 (3-53) FORMERLY
NAVAER 443A2A

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(SHIP STATION)

WBANIIA

U.S.S. GEORGE EASTMAN YAG-39 STATION _____ LATITUDE _____ LONGITUDE _____ DATE 23 APRIL 1967

POSITION QLLII 1A	COURSE 1B	SPD. 1C	TYPE 1	TIME (GCT) 2	SKY AND CEILING (HUNDREDS OF FEET) 3	VISIBILITY (NAUT. MILES) 4	WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. (MBS.) 6	TEMP. (°F.) 7	DEW PT. (°F.) 8	WIND DIRECTION 9	WIND SPEED (KTS.) 10	WIND CHARACTER AND SHIFTS 11	ALTIMETER SET. (INS.) 12	REMARKS AND SUPPLEMENTAL CODED DATA 13 14A 14B	OBSERVERS INITIALS 15
10177	042	4	R	0000	15①	10		115	85	75	07	14				GC
10876	042	11	R	0600	15①	10		085	82	74	07	15				GC
10276	042	11	R	1200	15①	10		108	82	74	05	17				GC
10375	042	11	R	1800	10①/①	8		088	81	75	03	16			CB S-SW) RWU SW)	RB
							24 APRIL									
10474	042	11	R	0000	15①/-①	10		108	84	76	06	19			CB SW)	RB
10573	042	11	R	0600	15①1000①/①	7		088	81	78	11	16			CB SE-SW) RWU S-SW)	RB
10573	042	11	R	1200	15①/①	10		119	82	77	11	20				RB
10672	180	11	R	1800	15①/①	7		102	82	78	02	20			CB E-NE	GN
							25 APRIL									
10573	180	11	R	0000	E20⊕	7		115	82	76	06	20			RWU ALQDS	GN
10572	039	11	R	0600	15①1000①①	10		102	82	76	03	14			RWU ALQDS	GN
10671	041	11	R	1200	E15⊕	7	RW-	125	79	76	05	20				GN
10671	041	9	R	1800	10①25①E800①/①	7	R-	108	78	74	10	24				GC
							26 APRIL									
10771	041	9	R	0000	⑧①E25①⑧①/①	7	RW-	112	79	75	11	23				GC
10870	042	9	R	0600	12①E25①⑧①⊕	7		108	79	76	06	20			CB ALQDS	GC
10969	043	9	R	1200	E12⊕	5	TRW-	135	75	75	10	20			T'STMS OCNL LTGCE	GC
10969	043	9	R	1800	10①E100①120①/⊕	7	RW--	115	78	72	06	12			CB SW NW)	RB
							27 APRIL									
11068	043	9	R	0000	10①E100①/⊕	7	R-	132	77	75	10	30				RB
11068	043	8	R	0600	8①E100⊕	7	R-	125	78	74	09	26				RB
11167	045	8	R	1200	100E30①/⊕	7	R--	129	80	72	06	23				RB
11167	045	11	R	1800	E20①20①/⊕	10		119	81	74	07	15				GN
							28 APRIL									
11266	045	11	R	0000	20①/-①	10		135	85	74	04	20				GN
11366	045	11	R	0600	15①E100①/①	10		132	80	75	09	20				GN
11365	045	11	R	1200	15①	10		149	80	72	06	22				GN
11465	045	9	R	18	15①E100①	10		149	79	70	08	20				AC
							29 APRIL									
11564	045	9	R	0000	15①U①	10		149	82	71	06	19				GC
11563	045	9	R	0600	15①1200U①	10		146	80	71	05	21				GC
11662	045	9	R	1200	15①E120①/①	10		163	78	72	02	21				GC
11762	045	9	R	1800	12①120①U①	10		163	77	70	06	18				RB
							30 APRIL									
11861	045	9	R	0000	15①	10		173	81	71	05	14			TCU ALQDS	RB
11861	045	8	R	0600	15①	10		163	78	72	05	15			TCU NE-SE	RB
11960	045	8	R	1200	100①/①	10		183	76	70	04	17				RB
11960	070	8	R	1800	20①70①U①	10		180	80	71	09	21				GN
							1 MAY									
12059	070	8	R	0000	20①/①	10		176	81	70	09	17				GN
12058	068	9	R	0600	20①	10		169	78	69	06	18				GN
12058	000	9	R	1200	20①	10		180	76	70	04	14				GN

C70460

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
Bonne Estrella Vbs-39				25 Mar 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.[illegible]	[illegible]	77.3	[illegible]	1	1	Cu	15	0			1	0			1	0			1		77.4		06 06 03
01																								
02																								
03																								
04																								
05																								
06	29.965	83.2	76.5	79	2	2	Cu	15	0			2	0			2	0			2		78.5		[illegible]
07																								
08																								
09																								
10																								
11																								
12	29.840	83.0	76.2	77	2	2	Cu	15	0			2	0			2	0			2		82.5	06 06 03	
13																								
14																								
15																								
16																								
17																						[illegible]		
18	29.740	81.5	76.9	83	5	4	Cb	10	1	Cu	/	5	0			5	0			4		82.2	06 06 03	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_Q$L$_Q$L$_Q$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
11011	765	10304	2232	[illegible]	11524	[illegible]	[illegible]		11400	12502	81015		[illegible]	[illegible]	00224		10632								[illegible]	[illegible]
		03																								
11019	761	06	20[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		22[illegible]	14[illegible]	[illegible]		[illegible]	[illegible]	00024		10632								[illegible]	[illegible]
		09																								
11024	755	12	[illegible]	[illegible]	10478	[illegible]	[illegible]		[illegible]	14110	[illegible]		[illegible]	[illegible]	05124	10632									[illegible]	[illegible]
		15																								
11033	744	18	20316	0315	[illegible]	[illegible]	[illegible]		13401	14310	83910		[illegible]	[illegible]	05124	10532									[illegible]	[illegible]
		21																								

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_i$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
GEORGE EASTMAN AG-76				24 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.800	84.3	78.2	76	2	1	Cb	15	1	Ci	/	2	0			2	0			1		832	050608	
01																								
02																								
03																								
04																								
05																								
06	29.710	80.5	78.3	91	5	3	Cb	15	1	As	100	4	1	Ci	/	5	0			4		83.1	070506	
07																								
08																								
09																								
10																								
11																								
12	29.825	82.2	78.1	84	5	3	Cu	3	1	Cb	/	3	0			3	0			3		85.5	070607	
13																								
14																								
15																								
16																								
17																								
18	29.780	81.5	78.5	88	5	4	Cb	15	1	Ci	/	5	0			5	0			4		83.5	040606	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRYBULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch_sh$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
21039	741 00	20(N) 98	/	16	10829	29.	81.4		13101	14805	81915			0	01124	10533										
	03																									
21042	734 06	14N8	07158	10	09827	29.4	81.4		13101	14805	81915			0	05525	10734										
	09																									
21054	728 12	21020	08024	10	11928	29.4	81.4		32401	14805	83815			0	05525	10734										
	15																									
21061	723 18	40228	08021	10	10228	29.5	81.8		32401	14307	83215		27.C	0.1	05525	10434										
	21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_{ire}$	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63)

WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
GEORGE EASTMAN YAG 39				25 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.820	82.0	77.8	83	10	10	SC	E20	0				0				0			10		83.7	090406	
01																								
02																								
03																								
04																								
05																								
06	29.780	82.0	77.8	83	2	2	CU	15	3	AS	100	5	3	CI	U	8	0			8		82.8	050457	
07																								
08																								
09																								
10																								
11																								
12	29.850	76.5	76.0	96	10	10	AS	15	3				0				0			10			060607	
13																								
14																								
15																								
16																								
17																								
18	29.800	77.7	76.0	90	10	1	CU	10	4	SC	25	5	0				0			10			090608	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_o$L$_o$L$_o$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	i04	105	106	107	108	109	115	116	117
31046	725	00 80606	17358	3	11528	27.8	25.1		945//	44804	84620		27.0	-0.9	05235	10634					
		03																			
31048	722	06 80314	72501	3	10228	27.8	25.1		92112	14312	58815		27.0	-0.9	05225	10634					
		09																			
31057	713	12 80520	72508	3	12526	27.8	25.1		894//	14007	48115		27.5	-0.7	05234	10634					
		15																			
31054	713	18 80720	72507	3	10328	27.8	25.1		91112	14012	58115	4	27.5	-0.7	05234	10633					
		21																			

WINDS ARE OBTAINED AS FOLLOWS:	
☑ MEASURED	☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below:			
☑ 1/10°C	☐ 1/10°F	☐ °C	☐ °F

GG	C$_2$KD$_{ir}$e	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
GEORGE EASTMAN YAG-39				26 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA														TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES	SWELL WAVES
						LOWEST LAYER			SECOND LAYER			SUMMATION TOTAL	THIRD LAYER			SUMMATION TOTAL	FOURTH LAYER						DIRECTION PERIOD HEIGHT	DIRECTION PERIOD HEIGHT
						AMT.	TYPE & DIR.	HEIGHT	AMT.	TYPE & DIR.	HEIGHT		AMT.	TYPE & DIR.	HEIGHT		AMT.	TYPE & DIR.	HEIGHT					
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.805	72.2	70.0	89	10	4	Cu	12	3	Sc	025	7	2	Ac	Blo	9	1	Cu	1	10		3.0	060/10	
01																								
02																								
03																								
04																								
05																								
06	29.795	75.6	71.4	76	10	5	Cu	12	3	Sc	030	8	2	Ac	090	10	2			10		2.3	060/10	
07																								
08																								
09																								
10																								
11																								
12	29.780	75.2	74.5	96	10	10	CB	012	Ac				Ac				Ac			10		2.0	060/10	
13																								
14																								
15																								
16																								
17																								
18	29.815	77.9	73.9	83	10	1	Cb	10	6	Ac	130	7	3	As	120	8	1	Cb	X	9		3.0	060/16	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

$YQL_aL_aL_a$	$L_oL_oL_oGG$	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N_hC_Lh C_MC_H	D_sV_s app	$8N_SCh_sh_s$	$9S_pS_ps_ps_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	$ØT_sT_sT_dT_d$	WAVES SEA $1d_wd_wP_wH_w$	WAVES SWELL $1d_wd_wP_wH_w$	WAVES SEA d_wd_w	WAVES SEA P_wP_w	WAVES SEA H_wH_w	WAVES SWELL d_wd_w	WAVES SWELL P_wP_w	WAVES SWELL H_wH_w	ON OFF STA.	D_sV_s app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
41020	708	00	31133	98049	10	11274	24	24		2410	13400	02422				10736										
		03																								
41078	677	06	30065	97538	10	10804	23	23		2402	13412	04012				10734										
		09																								
41085	673	12	31022	97958	10	12574	23	23		2404	13411	03012				10734										
		15																								
41094	688	18	30019	97809	10	11586	23	23		1971	13400	81910	*			10634										
		21																								

WINDS ARE OBTAINED AS FOLLOWS:	
☑ MEASURED	☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below:			
☑ 1/10°C	☐ 1/10°F	☐ °C	☐ °F

GG	$C_2KD_{ir}e$	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

* BB36D

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN			ENDED		
	TIME	LAT.	LONG.	TIME	LAT.	LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND				LOWEST PRESSURE					GALES (FORCE 8 OR HIGHER – 6 IN TROPICAL SEAS)							
									BEGAN				ENDED			
TIME (GMT)	DIRECTION & SPEED	LAT.	LONG.	TIME (GMT)	MILLIBARS	WIND DIRECTION & SPEED	LAT.	LONG.	TIME (GMT)	DIRECTION & SPEED	LAT.	LONG.	TIME (GMT)	DIRECTION & SPEED	LAT.	LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN IIB

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
GEORGE EASTMAN YAG-39				27 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.870	77.0	75.8	95	10	3	CF	10	6	AS	E100	9	1	CS	/	10	U			10		81.5	070506	
01																								
02																								
03																								
04																								
05																								
06	[illegible]	78.0	75.3	92	10	1	CF	8	1	AS	E100	[illegible]	0				U			10		[illegible]	[illegible]	
07																								
08																								
09																								
10																								
11																								
12	[illegible]	74.5	73.2	78	10	3	CF	10	6	AS	E80	9	1	CS	/	10	U			10		82.1	[illegible]	
13																								
14																								
15																								
16																								
17																								
18	29.825	81.0	76.0	80	10	6	CU	E20	3	AS	30	9	1	CI	/	10	0			9		81.7	070706	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_o$L$_o$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch_sh$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92		93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
51097	[illegible]	00	81030	71614	[illegible]	13225	[illegible]	[illegible]		21428	13805	82810	*	[illegible]	[illegible]	05524	10724		[illegible]	[illegible]						[illegible]	[illegible]
		03																									
51[illegible]	[illegible]	06	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		1731	13303	91808	*	[illegible]	[illegible]	05524	10725		[illegible]	[illegible]						[illegible]	[illegible]
		09																									
51110	[illegible]	12	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		21428	13105	82810	[illegible]	[illegible]	[illegible]	05522	10734		[illegible]	[illegible]						[illegible]	[illegible]
		15																									
51114	[illegible]	18	88715	98072		11927	[illegible]	[illegible]		51521	14310	85820		[illegible]	-0.4	05123	10734		[illegible]	[illegible]						[illegible]	[illegible]
		21																									

WINDS ARE OBTAINED AS FOLLOWS:	
☒ MEASURED	☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below:

☒ 1/10°C	☐ 1/10°F	☐ °C	☐ °F

GG	C$_2$KD$_j$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122

SUNRISE	SUNSET
* 85460	
* 87460	
85458	

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 118

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
GEORGE EASTMAN YAG 37				23 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.88	85.5	77.2	70	9	5	Cu	20	4	Ci	/	9	0			9	0			4		81.1	DEG405	
01																								
02																								
03																								
04																								
05																								
06	29.87	80.0	76.0	83	7	3	Cu	15	3	Ac	E100	6	1	Ci	/	7	0			6		81.3	070607	
07																								
08																								
09																								
10																								
11																								
12	29.915	79.5	74.3	78	3	3	Cu	15	0			3	0			3	0			3		80.4	060607	
13																								
14																								
15																								
16																								
17																								
18	29.915	79.5	74.3	78	7	1	Cu	15	6	Ac	E100	7	0			7	0			7		80.4	060505	
19									1															
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$ app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$ app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
61122	652	00	36420	9787/	16	13529	74.4	72.5		21501	14478	04820	Δ	82.3	7.1	10424	10533									
		03																								
61129	655	06	61720	9462/	16	13221	74.4	72.4		21471	14314	12815		82.3	6.1	15124	10734									
		09																								
61125	652	12	20622	9817/	16	14926	76.4	73.5		21400	14219	12815		82.7	6.5	05122	10634									
		15																								
61141	645	18	10820	1862/	16	14436	77.0	73.7		21472	13310	51815	*	82.3	6.1	15124	10623									
		21																								

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_1$re	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122 SUNRISE SUNSET

Δ 1330/
* 0532/0

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN IIB

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
LOCKE EVERETT (DD 874)				27 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.95	81.5	75.2	71	6	5	CU	15	1	CI	40	6	0			6	0			5		80.5	090/07	
01																								
02																								
03																								
04																								
05																								
06	29.95	79.6	73.2	67	7	3	CU	15	1	AC	180	4	3	CI	40	7	0			5		81.5	090/04	
07																								
08																								
09																								
10																								
11																								
12	29.95	78.2	73.5	81	7	4	CU	15	3	AC	180	6	1	CI	/	7	0			5		81.0	090/04	
13																								
14																								
15																								
16																								
17																								
18	29.90	77.3	72.0	78	7	2	CU	15	3	AC	120	5	2	CI	U	7	0			4		80.0	070/04	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

$YQL_aL_aL_a$	$L_QL_QL_QGG$	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N_hC_Lh C_MC_H	D_sV_sapp	$8N_SCh_sh_s$	$9S_pS_ps_ps_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	$ØT_sT_sT_dT_d$	WAVES SEA $1d_wd_wP_wH_w$	WAVES SWELL $1d_wd_wP_wH_w$	WAVES SEA d_wd_w	WAVES SEA P_wP_w	WAVES SEA H_wH_w	WAVES SWELL d_wd_w	WAVES SWELL P_wP_w	WAVES SWELL H_wH_w	ON OFF STA.	D_sV_sapp	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
71410	635	00	60613	9502		14626	36.4	22.9		22471	13310	82815														
		03																								
71154	631	06	60521	9502		14626	36.4	22.9		22471	13310	82815			05121	10532		05	05	02						
		09																								
71151	631	12	60521	9502		14626	36.4	22.9		22471	13310	82815			05121	10532		05	05	02						
		15																								
71168	636	18	60613	9502		14626	36.4	22.9		22471	13310	82815			05121	10532		05	05	02						
		21																								

WINDS ARE OBTAINED AS FOLLOWS: ☒ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☒ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C_2KD_{ire}	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

OPNAV FORM 3140-9 (REV. 3-63) WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S. GEORGE EASTMAN YAG-39 | STATION | LATITUDE | LONGITUDE | DATE 20 APRIL 1967

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	29.910	81.0	74.2	73	5	5	Cu	15	0			5	0			5	0			5		80.2	040604	
01																								
02																								
03																								
04																								
05																								
06	29.960	78.2	73.5	81	1	1	Cu	15	0			1	0			1	0			1		80.0	040503	
07																								
08																								
09																								
10																								
11																								
12	30.020	76.1	71.9	81	8	1	Ac	10d	1	Cu	✓	2	0			2	0			2		80.0	030503	
13																								
14																								
15																								
16																								
17																								
18	30.010	80.0	76.5	74	7	3	Sc	3d	1	As	7d	4	3	Cu	U	7	0			7	X	81.3	070706	
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_o$L$_o$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$ app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$ app	DEW POINT (Deg. & 10ths)
91	92		93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
1175	611	00	40514	98034	16	17327	67.2	63.4		12400	13205	84915		66.6	0.1	00122	10432		66	44		66	44			29.75	61.9
		03																									
1181	615	06	10514	98014	16	16324	67.1	63.4		12400	12400	81815		66.6	0.1	00122	01432		66	44		66	44			29.75	61.9
		09																									
1186	620	12	20417	98024		18325	68.7	63.1		10972	13305	81360		71.4	-2.4	00121	01432		66	44		66	44			29.77	61.9
		15																									
1192	545	18	60421	98021	16	18027	70.1	63.1		24514	23400	82670		71.4	-0.7	05122	10734		67	44		66	44			29.80	62.4
		21																									

WINDS ARE OBTAINED AS FOLLOWS: ☑ MEASURED ☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below: ☑ 1/10°C ☐ 1/10°F ☐ °C ☐ °F

GG	C$_2$KD$_{ire}$	BERGS	
118	119	120	121
00			
03			
06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

SUMMARY OF DAY (MIDNIGHT TO MIDNIGHT)

MAXIMUM WIND TIME (GMT)	MAXIMUM WIND DIRECTION & SPEED	MAXIMUM WIND LAT.	MAXIMUM WIND LONG.	LOWEST PRESSURE TIME (GMT)	LOWEST PRESSURE MILLIBARS	LOWEST PRESSURE WIND DIRECTION & SPEED	LOWEST PRESSURE LAT.	LOWEST PRESSURE LONG.	GALES BEGAN TIME (GMT)	GALES BEGAN DIRECTION & SPEED	GALES BEGAN LAT.	GALES BEGAN LONG.	GALES ENDED TIME (GMT)	GALES ENDED DIRECTION & SPEED	GALES ENDED LAT.	GALES ENDED LONG.
130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
123	124	125	126	127	128	129

NAVY—PEARL HARBOR

OPNAV FORM—3140-8 (3-53) FORMERLY
NAVAER 443A2A

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(SHIP STATION)

WBANIIA

U.S.S. GEORGE EASTMAN YAG-39 STATION _____ LATITUDE _____ LONGITUDE _____ DATE 2-MAY 19 57

POSITION QLLII 1A	COURSE 1B	SPD. 1C	TYPE 1	TIME (GCT) 2	SKY AND CEILING (HUNDREDS OF FEET) 3	VISIBILITY (NAUT. MILES) 4	WEATHER AND OBSTRUCTIONS TO VISION 5	SEA LEVEL PRESS. (MBS.) 6	TEMP. (°F.) 7	DEW PT. (°F.) 8	WIND DIRECTION 9	WIND SPEED (KTS.) 10	WIND CHARACTER AND SHIFTS 11	ALTIMETER SET. (INS.) 12	REMARKS AND SUPPLEMENTAL CODED DATA 13	14A	14B	OBSERVERS INITIALS 15
2059	070	R	R	0000	20 ⊖ K	10		176	81	70	07	17						EN
2058	068	9	R	0400	20 ⊖	10		161	78	69	06	18						GN
2058	000	9	R	0800	20 ⊖	10		180	76	70	04	14						GN

C70460

OPNAV FORM 3140-9 (REV. 3-63)

WBAN 11B

DEPARTMENT OF THE NAVY
SURFACE WEATHER OBSERVATIONS
(Ship Station)

U.S.S.	STATION	LATITUDE	LONGITUDE	DATE
GEORGE EASTMAN YAG 39				1 MAY 1961

TIME (GMT)	STATION PRESSURE (INS.)	DRY BULB	WET BULB	REL. HUMIDITY (%)	TOTAL SKY COVER	CLOUDS AND OBSCURING PHENOMENA: LOWEST LAYER AMT.	LOWEST LAYER TYPE & DIR.	LOWEST LAYER HEIGHT	SECOND LAYER AMT.	SECOND LAYER TYPE & DIR.	SECOND LAYER HEIGHT	SUMMATION TOTAL	THIRD LAYER AMT.	THIRD LAYER TYPE & DIR.	THIRD LAYER HEIGHT	SUMMATION TOTAL	FOURTH LAYER AMT.	FOURTH LAYER TYPE & DIR.	FOURTH LAYER HEIGHT	TOTAL OPAQUE SKY COVER		SEA WATER (1/10°)	SEA WAVES DIRECTION PERIOD HEIGHT	SWELL WAVES DIRECTION PERIOD HEIGHT
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
00	30.000	80.6	73.1	70	5	3	Cu	20	2	Ci	/	5	0			5	0			4		80.0	070706	
01																								
02																								
03																								
04																								
05																								
06	29.975	78.0	71.8	75	4	4	Cu	20	0			4	0			4	0			4		80.4	050605	
07																								
08																								
09																								
10																								
11																								
12	30.005	76.3	71.9	81	1	1	Cu	20	0			1	0			1	0			1		80.4	050605	
13																								
14																								
15																								
16																								
17																								
18																								
19																								
20																								
21																								
22																								
23																								

SYNOPTIC OBSERVATIONS

YQL$_a$L$_a$L$_a$	L$_o$L$_o$L$_o$GG	Nddff	VVwwW	PP (9 or 10)	PPPTT	DRY BULB (Deg. & 10ths)	WET BULB (Deg. & 10ths)	ICE	N$_h$C$_L$h C$_M$C$_H$	D$_s$V$_s$app	8N$_S$Ch$_s$h$_s$	9S$_p$S$_p$s$_p$s$_p$	SEA TEMP. (Deg. & 10ths)	AIR-SEA TEMP. DIFF. (Deg. & 10ths)	ØT$_s$T$_s$T$_d$T$_d$	WAVES SEA 1d$_w$d$_w$P$_w$H$_w$	WAVES SWELL 1d$_w$d$_w$P$_w$H$_w$	WAVES SEA d$_w$d$_w$	WAVES SEA P$_w$P$_w$	WAVES SEA H$_w$H$_w$	WAVES SWELL d$_w$d$_w$	WAVES SWELL P$_w$P$_w$	WAVES SWELL H$_w$H$_w$	ON OFF STA.	D$_s$V$_s$app	DEW POINT (Deg. & 10ths)
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117
21195	587 00	40917	9802/	10	17627	27.8	22.8		21501	23400	83820		26.7	0.3	00121	10734		07	07	04					23400	21.1
	03																									
21197	581 06	30618	9802/	10	16926	25.6	22.1		31500	13208	83820		26.9	-1.3	05221	10533		65	66	03					13208	20.6
	09																									
21202	580 12	10414	9802/	11	18025	24.6	22.2		11500	83103	81820		26.9	-2.3	05521	10533		05	06	03					83103	21.1
	15																									
	18																									
	21																									

WINDS ARE OBTAINED AS FOLLOWS:	
☑ MEASURED	☐ ESTIMATED

Check ice on Web Bulb

TEMP. in shaded cols. are as checked below:			
☑ 1/10°C	☐ 1/10°F	☐ °C	☐ °F

GG	C$_2$KD$_{ire}$	BERGS	
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06			
09			
12			
15			
18			
21			

REMARKS, NOTES AND MISCELLANEOUS PHENOMENA

Col. 122
SUNRISE SUNSET

WEATHER AND OBSTRUCTIONS TO VISION

TYPE	BEGAN TIME	BEGAN LAT.	BEGAN LONG.	ENDED TIME	ENDED LAT.	ENDED LONG.
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130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146

NAVY—PEARL HARBOR

Marine Mammal Sightings SIC 18 March - April 1967

R. Chandler - compiler

LT 2086-

Date	Time	Long.	Lat.	
6 April	1650	9°46'S	164°46'W	"Whale 1 Gray in color. dorsal fin" MCT
16 April	1300	1°27'S	176°02'W	"Porpoise - Tursiops sp.? 75±10 approx 6/ long of a uniform color -(brownish-gray) above.calves and adults" RWT
16 April	1630	1°27'S	176°30'W	"Whale sp. moving west. 8. very dark brown, almost black. 10-15' long. very small dorsal fin" RWT
20 April	0943	0°49'N	176°43'W	"Whale species noticed thru spout-spray"RWT

LT 2087-

17 April	0730	0°05'N	176°30'W	"Porpoise or large fish breaking surface"DLS
21 April	1635	0°10'N	175°23'W	"Porpoise jumping clear out of water 50+" DLS

Y-AG-39-

4 April	0950	5°45'S	156°09'W	"Whale- one blow glimpsed - ,Physeter ?" RDC
6 April	0615	9°03'S	163°08'W	"Black mammal - small fin 12+ ft." FCT
16 April	1300	1°03'S	176°02'W	"Porpoises ca. 30± All dark, jumpimg and spinning, beaked, Prob Tursiops ? " RDC
16 April	1657	1°33'S	176°32'W	"- 30± 5 porpoise small dark" 36 Sooty Terns feeding above FHS
17 April	0952	0°22'N	176°35'W	" ca. 20 whales prob. Globicephala Traveling slowly SW" RDC
17 April	1820	0°17'N	176°45'W	"Whale - large splash 20+' high 30' animalmust have cleared water - 1 low blow seen shortly after prob Physeter cat." RDC
18 April	1117	1°25'S	178°04'W	"porpoise distant 10+" RDC
18 April	1345	1°30'S	178°34'W	"Whale ca. 20' black" FHS small dorsal
19 April	1510	0°33'S	178°39'W	"Marine mammal 3+ jumping appeared snoutless, big-headed - 12-15' much white antero-ventrally, not a familiar beast. RDC

Y-AG-39- (cont.)

19 April 1703 0°24'S 178°21'W "Whale ca.15' small dorsal fin rounded, brown - not blowing" FHS

Island Observations

Kingman Reef - ca. 30 off the NE edge of reef Tursiops

Palmyra - Tursiops seen outside the channel

Christmas - ca. 30 Stennella cereuleo-alba ? jumping twisting up to 1 turn, followed raft. Inside reef. Seen on at least two days

Starbuck - MC Thompson saw a group of small, all black, snoutless!? porpoises offshore

Howland - Usuall Tursiops present